



# HOPPE (UK) Architectural Range

# For all HOPPE door and window handles ...



# Contents



Organisation of the catalogue	page 4
НОРРЕ	
HOPPE – General information	page 7
Interior door sets	page 45
Pocket door sets	page 99
Pull handles	page 107
Profile door handles	page 115
Accessories	page 123

## **ARRONE**

Appendix

NO	ARRONE – General information	page 129
20	Interior door sets	page 159
1	Pull handles	page 171
	Hinges	page 187
	Door closing devices	page 197
E-	Locks and latches	page 227
	Cylinders	page 267
	Panic and emergency exit hardware	page 279
•	Architectural accessories	page 303
	Shelving	page 333

page 339

18

# Organisation of the catalogue

#### How to use this catalogue?

With the help of the information below, you will see how the catalogue is organised.

#### **HOPPE** and **ARRONE** products:

In its first level of classification the catalogue is divided into HOPPE product range and ARRONE product range.





HOPPE products

ARRONE products

#### Further organisation of the HOPPE products

#### 1. According to product groups:

In the first level of classification the HOPPE products are divided into product groups suitable for the various applications.



Interior door sets



Pull handles



Profile door handles

#### 2. According to product lines:

In the second level of classification the HOPPE products are divided into the three product lines.



duravert® product line



dura**plus**® product line



duranorm® product line

#### 3. According to series names:

In the third level of classification, the subdivision within product lines, the products are listed alphabetically by series name. Products not assigned to any series follow after the series, as for example pull handles, security sets and knobs or pads on backplate etc.



**Ac**apulco



**At**hinai



Capri



Genova

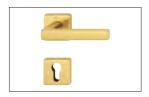


#### 4. According to materials:

If a series is available in several materials, then the material will be listed in the following order: aluminium, stainless steel, nylon and brass. For example: the Dallas series comes in three materials, aluminium, stainless steel and brass.







Dallas in **aluminium** 

Dallas in **stainless steel** 

Dallas in **brass** 

#### **Further organisation of the ARRONE products**

#### 1. According to product groups:

In its first level of classification the ARRONE products are divided into product groups like hinges, door closing devices, locks and latches, cylinders, panic and emergency exit hardware and architectural accessories.







Hinges

Door closing devices

Locks and latches



# HOPPE – General information





## Overview



Technical standards

page 9



Layout of tables

page 10



Overview of attributes and logos

page 12

dura**vert**®
dura**plus**®
dura**norm**®

# The product lines

page 14



Operational guarantee

page 16



Materials and their maintenance

page 18



#### Resista®

page 19



SecuSan®

page 20



DIN EN 1906 (general)

page 22



DIN 107 (left/right)

page 24



#### HOPPE Quick-Fit connection

page 26



Quick-FitPlus

### HOPPE Quick-FitPlus

connection

page 27



Uniform screw hole distance

page 32



Profile door handles

page 33



Fixing systems

page 34



Profile door and security escutcheons

page 35



Pocket door set

page 36



Reference buildings worldwide

page 38



The HOPPE Group Profile

page 40



The Beneficial Performance offered by HOPPE to customers

page 42



The original

page 44

# Technical standards at HOPPE



## Types of keyhole and distances

Sets supplied by HOPPE come with the following technical specification, unless ordered otherwise.

Sets for		14—14	Keyhole		Distance	
Profile doors	P	8 mm		<b>PZ</b> (profile cylinder)	Distance between centre of lock follower and centre of profile cylinder hole  Standard: 92 mm	
Entrance doors		10 mm		<b>PZ</b> (profile cylinder)	Distance between centre of lock follower and centre of profile cylinder hole  Standard: 92 mm	
				<b>BB</b> (standard keyhole)	Distance between centre of lock follower and centre of keyhole  Standard: 72 mm or 90 mm	
Interior doors		8 mm		<b>OB</b> (oval standard keyhole)	Distance between centre of lock follower and centre of keyhole  Standard: 70 mm or 90 mm	
				<b>PZ</b> (profile cylinder)	Distance between centre of lock follower and centre of keyhole  Standard: 90 mm	
Privacy doors			<b>SK/OL</b> (external: slotted head/ internal: turn button)	Distance between centre of lock follower and centre of privacy spindle  Standard: 90 mm		
Privacy doors		8/8 mm		RW-SK/OL external: red-white-plate indicator/ internal: turn button)	Distance between centre of lock follower and centre of privacy spindle  Standard: 90 mm	

#### How are the tables set out?

Explanation using the example of a page with a stainless steel interior door set from the duraplus® product line:

#### Symbol key:





Spindle size (in mm)

#### Series names **Design number**

The series name is determined by the design of the handle, regardless of material. So, for example, all products used in conjunction with a particular handle have the same name, whether the material of the handle be aluminium, stainless steel or brass.

The names themselves are well-known towns or islands, the spelling of which is determined by the language of the appropriate country.

The design number serves as a further subdivision and search criterion. In the case of interior doors, the first number stands for the handle and the second for the backplate (or the rose). The letter in front of the number shows the material (M for brass, E for stainless steel, K for nylon. Remember there is no letter in the case of aluminium). With security hardware, the design number always begins with the number of the knob.

#### Material

The material is illustrated with colours and serves as a further subdivision and search criterion.

#### Product description

This text briefly outlines the area of application of the product. The specification texts always refer to the product version shown (in this example a handle set).

#### Product illustration

With interior door sets, a door handle half set (with profile cylinder keyhole) is always shown. With security sets, a knob (pad) / handle set is always shown.

#### HOPPE special attribute

Here those products are highlighted that come with a special HOPPE technology feature. For further details please see page 12.

ucts available in this design (with this handle

As the tables of the interior door sets section always describe a handle set, you find a picture of a bathroom/WC handle set as an ex-

#### Door thickness

In this column the exact door thickness is given in mm. For further details please see

The technical drawing always refers to the product version shown in the picture and deInterior door sets

Quick-Fit

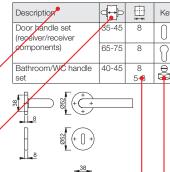
 Tested to DIN EN 1906: 37-0140A, handle Bearing: loose door handles, non-handed Connection: HOPPE Quick-Fit connection

Amsterdam - E1400Z/42I

HOPPE stainless steel handle set on rose wi

receiver components) Base: nylon

• Fixing: concealed, multi-purpose screws



This column lists the various types of prodshape and this backplate).

ample on the right side of the page.

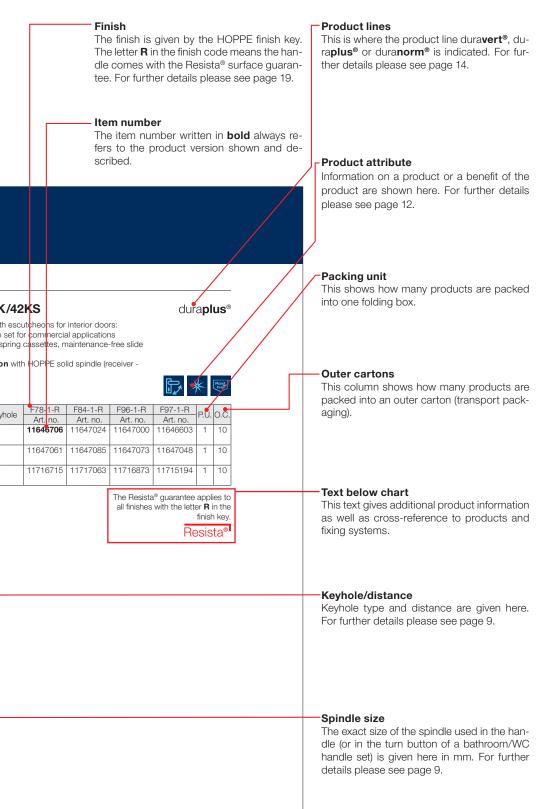
page 9.

#### Technical drawing

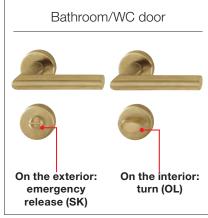
82 For a product overview, finish chart and identification of the

scribed by the specification text.





#### **Available solutions**



e product ranges please refer to the back of the catalogue.

Indicates three important sections.

# Overview of attributes and logos

# Brand, special and product attributes of the "HOPPE – Handle of excellence." brand, certification marks

Regarding the "HOPPE – Handle of excellence." brand product, the following product features are distinguished:

Denomination	Description	Attribute		
Brand attributes	<ul> <li>distinguish all HOPPE products</li> <li>convey the brand promise:</li> </ul>	10-year guarantee on the mechanical operation		
Special attributes	<ul> <li>underline a unique selling proposition or an essential additional benefit of the HOPPE brand product</li> </ul>	Quick-FitPlus		
Special logo	distinguishes HOPPE products that feature the HOPPE Compact System.	THIS I		
Product attributes	<ul> <li>present important information on a product or a benefit of the product</li> <li>are identified with the pictograms designed by HOPPE</li> </ul>	Category of use grade 2 (3, 4) to DIN EN 1906  Stainless steel		
Certification marks	<ul> <li>identify the products that have been checked by a certification body</li> <li>are known trademarks</li> <li>apply internationally and regionally</li> </ul>	For all window handles certified according to RAL (RAL-GZ 607/9) and all security door handle sets certified according to DIN 18257 and RAL-GZ 607/6		





Made in Europe



DIN EN ISO 14001 Environmentally-considerate manufacturing









Solid brass



Very high corrosion resistance EN 1670, grade 4



Stainless steel



Exceptionally high corrosion resistance EN 1670, grade 5



Security door handle sets according to DIN 18257, certified by DIN CERTCO



Security door handle sets according to DIN 18257, certified by PIV CERT

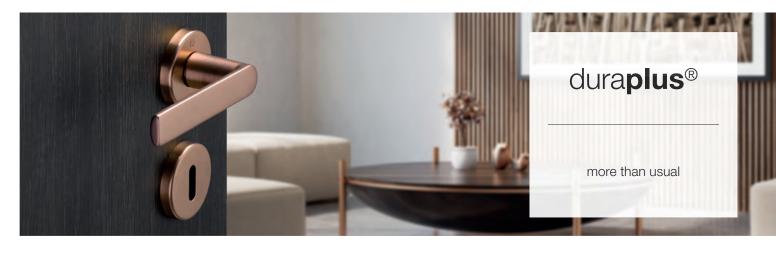
# The product lines

HOPPE divides its product range into three lines based on the customers' different requirements in price and perception of value – dura**vert**®, dura**plus**® and dura**norm**®. 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.

Whatever the differences, all three product lines have one thing in common: the proverbial HOPPE quality.

#### **Product lines**









**Product range** 

Packaging (examples)

Technology and Security Classes (ES)

Guarantees

Service range



- Security handles ES1 to ES3 (SK2-4)
- Interior door handles with HOPPE Quick-Fit connection and spring cassette technology
- Window handles within existing requirements, RAL and market standards, with Secu100® + Secustik®, Secu100® and Secustik® technology





10 years' surface guarantee on selected finishes

Core range

Service range



- Security handles ES0 to ES3 (SK1-4)
- Selected interior door handles with HOPPE Quick-Fit connection and spring cassette technology
- Window handles within existing requirements, RAL and market standards, selected products with Secu100® + Secustik®, Secu100® and Secustik® technology





10 years' surface guarantee on selected finishes

Core range



- Security handles according to ES0 (SK1)
- Interior door handles with HOPPE profile spindle
- Window handles below existing requirements and market standards, no RAL



# Operational guarantee



#### **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 the mechanical operation 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-GZ 607/9.

Whereas for DIN EN 1906 and RAL-GZ 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.

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





With the **10-year guarantee on the mechanical operation**, HOPPE extends way beyond the statutory 4 years of European regulations.

The next page gives you an overview of the operational guarantee tests made by HOPPE.



#### 1. Tests on door handles

There are two durability grades (see p. 22) 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 = 1 x opening and closing of a door).

#### • Grade 7:

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

Application-related standards are set for the HOPPE guarantee on the mechanical operation. 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.



#### 2. Tests on window handles

RAL-GZ 607/9 prescribes 10,000 tilt/turn test cycles in durability tests for window handles.

HOPPE, again, tests in an application-related way. 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.



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

## Materials and their maintenance



#### **Aluminium:**

The surface of HOPPE aluminium fittings is protected by either anodising or powder coating. Anodising consists of a controlled, electrically induced oxidation process with the aid of sulphuric acid, which causes the base material to bond with oxygen and to grow a protective surface layer, the so-called oxide film. This film protects the products against detrimental influences such as hand perspiration, humidity and light mechanical stress.

In powder coating, the coating powder 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 in a chemical cross-linking reaction. There is no known risk to health in aluminium hardware. No special care is needed for aluminium as the oxide film protects it. Dirt can easily be removed with a damp cloth.



#### Stainless steel:

HOPPE brand stainless steel hardware is manufactured from chrome-nickel steel (steel no. 1.4301 to DIN). Thanks to its longevity, its harmlessness to the environment and to health as well as its corrosion acid-, and abrasion resistance, it is used in the food industry as well as the medical and domestic sectors besides the building trade. Stainless steel is also called corrosion-resistant because the alloy components of chromium and nickel develop an invisible passivation layer.

If stainless steel hardware show signs of rust, they are caused by rust particles naturally present in the atmosphere. Rust particles as well as traces of dirt and grease can be removed with a household detergent suitable for stainless steel. Stainless steel hardware is also available with our Resista® surface guarantee (see page 19).





### Polyamide:

HOPPE brand polyamide hardware is manufactured using high quality polyamide (PA) which not only has enhanced mechanical properties but is also impact and wear resistant. Combined with its anti-static properties, and weathering and chemical resistance makes it a favourite material for engineering applications, such as hardware. If necessary, HOPPE polyamide products are additionally UV-stabilised. Soiling can be removed with water and/or conventional cleaners.











#### **Brass:**

HOPPE brand brass hardware is made of high quality brass alloys. The surface is protected either by a transparent lacquer of elevated adhesive strength and resistance to solvents and chemicals, by electro plating such as chrome-plating or by a special vacuum coating process. If the protective coat of lacquer is damaged by mechanical action such as accidental scratching with keys corrosion (tarnishing brown) can occur.

Brass hardware requires no special care. Dirt can easily be removed with a damp cloth. Use of caustic cleansers should be avoided. Brass hardware is also available with our Resista® surface-guarantee (see page 19).



#### Resista® – HOPPE's surface guarantee

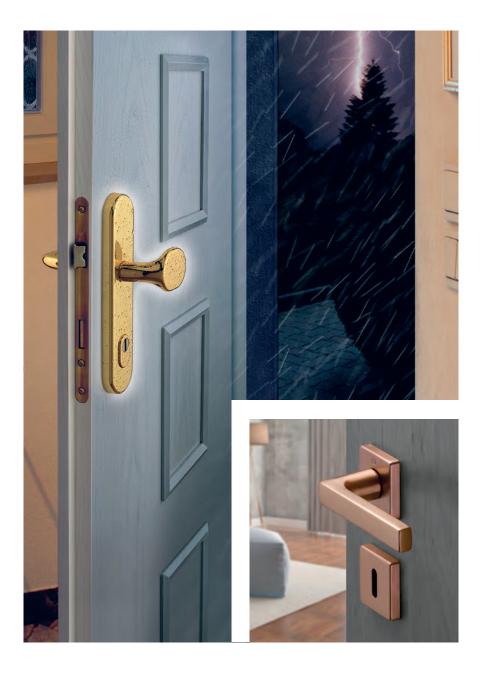
For hardware with Resista® HOPPE offers a 10-year surface guarantee.

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 ("Building 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.





# SecuSan® - The proven hygiene standard

# SecuSan®

# SecuSan® – Responsibility towards society

The issue of "hygiene" has been the subject of public concern for many years and is currently more topical than ever before. With SecuSan® door and window handles HOPPE has developed a solution that provides active protection in the very places where it is urgently required. Be it in clinics, schools, institutes or public buildings, in the hospitality sector, industry or leisure facilities – SecuSan® handles help to ensure high hygiene standards wherever people are present in large numbers.





SecuSan® is a special surface that immediately suppresses microbial growth on a lasting basis. It is entirely maintenance-free and designed for longterm usage. Its high level of efficacy has been confirmed in independent laboratory and practical tests.

You find the SecuSan® prospect and film under **www.hoppe.com**. Just get in touch with your HOPPE contact partner.

#### **Antimicrobial effectiveness**

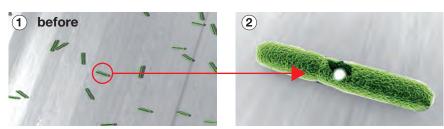
SecuSan® surfaces contain silver ions which are embedded in a carrier system of ceramic glass. They form an active part of this material and prevent the growth of germs such as bacteria, algae and fungi.

The silver ions destroy the cell membrane of the germ. This stops respiration and nutrition of the cells, so preventing cell division. Independent tests have proved that SecuSan® reduces microbial growth by more than 99%.

The SecuSan® surface remains effective even when cleaned at regular intervals.



Certificate about the antimicrobial effectiveness of SecuSan®



High bacterial load on the surface.

Silver ions destroy the cell membrane of the germ.



Germ is killed.



There is a significant reduction in the bacterial load on the surface.



#### The laboratory test – Development of antimicrobial effect over time

**Requirement:** Based on the JIS (Japanese Industrial Standard) Z 2801:2000 and ISO (International Organization for Standardization) 22196:2011 standards it was tested whether the antimicrobial activity of SecuSan® is sufficient to achieve a reduction in bacteria of at least 3 log units (99.9%) in 24 hours on door and window handles as required in hygienically sensitive areas.

**Procedure:** A thin layer of the test bacteria specified by the German Society of Hygiene and Microbiology (DGHM) was applied to a Petri dish and incubated for 24 hours. Reference strains of Staphylococcus aureus and Escherichia coli K 12 were used here as the test bacteria. A reduction factor of 60% was achieved after 5 minutes for Escherichia coli, while the reduction factor was 50% after 30 minutes for Staphylococcus aureus.

**Evaluation:** SecuSan® showed a significant bactericidal effect with all test bacteria. The effect was especially marked in the case of Staphylococcus aureus (including MRSA) and Pseudomonas aeruginosa. A high level of hygienic safety is ensured by SecuSan® door and window handles.



Hygiene report on the development of the antimicrobial effect of SecuSan® over time



#### The practical test – Tested in daily clinical practice

The mean bacterial load was recorded in two wards of identical construction and containing comparable patients at Universitätsklinikum Marburg and subjected to analysis in the course of a two-week clinical field trial.

**The result:** SecuSan® achieved an impressive result, not just during laboratory testing but also in daily clinical practice. A direct comparison was made between wipe disinfection of conventional door handles and no disinfection of SecuSan® door handles. SecuSan®'s high level of antimicrobial effectiveness was certified by the institute, in particular as regards its effect over time.



Result analysis of the SecuSan® practical test by Prof. Dr. Reinier Mutters, Head of Hospital Hygiene department at Philipps University Marburg



#### **DIN EN 1906 -**

#### **European and German standardisation for hardware**

For the purposes of European standardisation, EN 1906 has been worked out to specify the requirements and test methods for door handles and knobs. It was implemented as a European standard in October 2001. After several revisions it is currently valid as EN 1906:2012.

The DIN EN 1906 only defines performance parameters while the dimensions of the hardware is not taken into account. It introduces a classification code system, allowing products to be compared. This European Standard specifies test methods and requirements for spindle and fastening elements, operating torques, permissible free play and safety, free angular movement and misalignment durability, static strength and corrosion resistance for sprung and unsprung handles and knobs for doors on backplates or roses. Requirements and test methods are structured in such a way that everyday use is simulated:

1	2	3	4	5	6	7	8
Category of use	Durability	Door mass	Fire resistance	Safety	Corrosion resistance	Security	Type of operation

Meaning of the numbers in the classification key:

Classification key	Grades	Description of grades
1. digit: Category of use	1-4	more information on p. 23
2. digit: Durability	6 or 7	6 = 100,000 cycles 7 = 200,000 cycles
3. digit: Door mass	no classi- fication	
4. digit: Fire resistance (You can find further information on fire resistance on p. 34.)	0, A, A1, B, B1, C, C1, D or D1	<ul> <li>0 = Not approved for use on fire/smoke door assemblies</li> <li>A = Suitable for use on smoke door assemblies (tested with 200,000 test cycles on a test door)</li> <li>B = Suitable for use on fire/smoke door assemblies (tested with 200,000 test cycles)</li> <li>B1 = Suitable for use on fire/smoke door assemblies (tested with 200,000 test cycles on a test door)</li> <li>C = Suitable for use on smoke and fire-resistant doors with requirements for fire-resistant dividers in backplate, door rose and escutcheon</li> <li>C1 = Suitable for use on smoke and fire-resistant doors with requirements for fire-resistant dividers in backplate, door rose and escutcheon (tested with 200,000 test cycles on a test door)</li> <li>D = Suitable for use on fire/smoke door assemblies with require for a steel core in the handle (tested with 200,000 test cycles on a test door)</li> </ul>
5. digit: Safety *	0 or 1	0 = Normal use 1 = Safety applications
6. digit: Corrosion resistance (You can find further information on HOPPE's surface guarantee on p. 21.)	0-5	0 = No defined corrosion resistance (no test) 1 = Mild resistance (24-hr salt-spray test) 2 = Moderate resistance (48-hr salt-spray test) 3 = High resistance (96-hr salt-spray test) 4 = Very high resistance (240-hr salt-spray test) 5 = Extremely high resistance to corrosion (480-hour salt-spray test)
7. digit: Security	0-4	0 = Furniture not approved for use on burglary resistand doors 1 = Mild burglary resistance 2 = Moderate burglary resistance 3 = High burglary resistance 4 = Very high burglary resistance
8. digit: Type of operation	A, B or U	A = Spring-assisted furniture B = Spring-loaded furniture U = Unsprung furniture

<sup>\*</sup> According to DIN EN 1906 the increased safety tests (for example for doors to cellars where there is risk of falling) are optional, so the figure 0 may appear by digit 5 in the classification key. However, according to DIN 18255, all public building sets, and as such subject to categories of use grades 3 and 4, must pass this test.



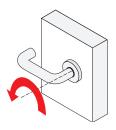
The hardware is classified into 4 categories of use which are based on frequency of use and the expected area of use. The requirements and test loads are graded according to these categories.

#### 1. Category of use (excerpt from the most important tests out of a total of 13)

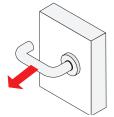
Rotational torque strength test	Axial strength test	Free play "at rest"	Free angular movement	Grades	Description
20 Nm	300 N	< 10 mm	< 10 mm	1	Medium frequency of use by people with a high incentive to exercise care and with a small chance of misuse, e.g. internal residential doors.
30 Nm	500 N	< 10 mm	< 10 mm	2	Medium frequency of use by people with some incentive to exercise care but where there is some chance of misuse, e.g. internal office doors.
40 Nm	800 N	< 6 mm	< 5 mm	3	High frequency of use by public or others with little incentive to exercise care and with a high chance of misuse, e.g. public office doors.
60 Nm	1000 N	< 6 mm	< 5 mm	4	High frequency of use on doors which are subject to frequent violent usage, e.g. football stadiums, offshore installations (oil rigs), barracks, public toilets, etc.

<sup>\*</sup> HOPPE handle set for commercial applications

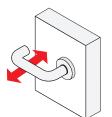
#### **Test examples**



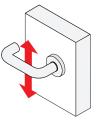
Rotational torque strength test



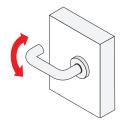
Axial strength test



Free play "at rest"



Free angular movement



Durability test

The requirements and testing procedures are formulated in such a way that the actual strain of everyday use is simulated by strength tests, corrosion tests as well as measurement of free-play before and after cycle tests on the hardware. At the top of the page, you'll find some test examples depicted. In order to maintain the exchangeability of locks and hardware in Germany, some national dimension standards are unavoidable. This is why dimensions for door handle sets compatible with DIN 18251 locks and DIN 18252 profile cylinders continue to be determined by the DIN 18255 standard which appeared as a so-called residual standard in May 2002 as an addendum to DIN EN 1906.

All HOPPE door handle sets for commercial applications correspond to DIN EN 1906, category of use grade 3 and 4, as well as to the German residual standard DIN 18255 and have been successfully supplied to the non-residential building sector for many years.

For specifiers, HOPPE offers external or internal test certificates for door handle sets according to DIN EN 1906 which serve as verification of suitability.

# DIN 107 (left/right)

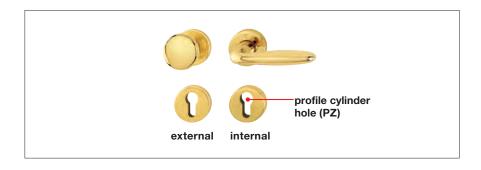
#### How to tell between a left-hand or right-hand door:

In order to tell whether you have a left-hand or right-hand door according to DIN specification, you have to ascertain where the hinges are on the inside of the door.

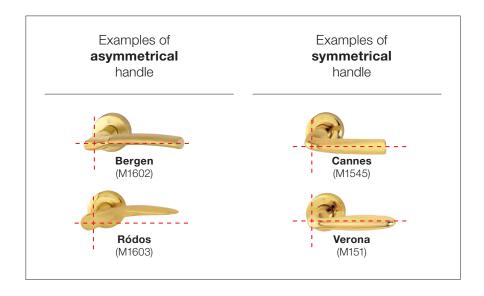
#### 1. What does a knob (pad) / handle set consist of and what is it for?

A knob (pad) / handle set has a knob or a push-pad on the exterior side of the door and a handle on the interior side. The knob (pad) or push handle on the exterior side prevents the normal opening of the unlocked door. A knob (pad) / handle set always has a profile cylinder holing and is often used on entrance doors as well as on profile doors (side entrances).

Below is an example of a knob (pad) / handle set with knob for corridor doors with a symmetrical handle shape on the interior side.



# **2.** What do asymmetrical and/or symmetrical handle designs look like? You will find some examples below.

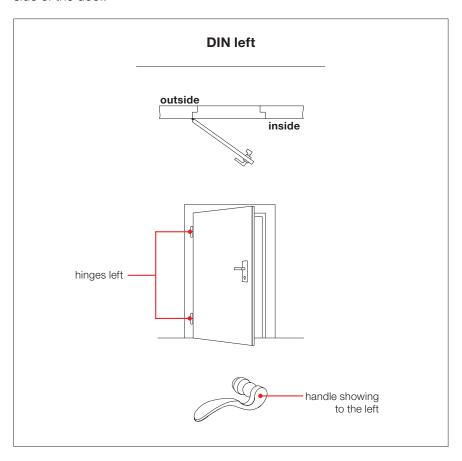


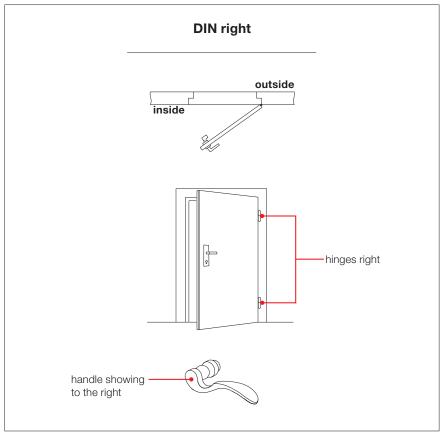
In the case of asymmetrically-shaped handles and knob / handle sets it is important to ascertain whether the handle on a door is to be fitted to the left or to the right according to DIN.



#### 3. How do I recognise a left-hand and right-hand door?

In order to ascertain whether you have a left-hand or right-hand door according to DIN, you need only check where the hinges are on the interior side of the door.





## **HOPPE** Quick-Fit connection

# Quick-Fit

Door handle fitting in about 8 seconds only

You can find HOPPE Quick-Fit connection films (assembly and disassembly) at **www.hoppe.com**. If you have any questions please get in touch with your HOPPE contact person.

#### Time is money – quicker and better: The HOPPE Quick-Fit connection

With normal door handle installation, lots of steps have to be taken, quite often not without awkward fumbling. This is tedious and takes time. What is infinitely better is the **HOPPE Quick-Fit connection**. With its advanced technology, door handles can be installed in one simple step – and to last!

The key point of the technology is the blocking mechanism, developed by HOPPE, in the receiver handle. This holds the solid spindle of the other handle firmly and without play. It is with the whole width of the spindle that maximum torque transmission is achieved. The HOPPE Quick-Fit connection is a variable axial handle fitting, tested according to DIN EN 1906 and can be used for various door-thicknesses (in a defined area).



#### The advantages of the HOPPE Quick-Fit connection at a glance:

- Very quick door handle fitting: around 75% time saving compared with normal fitting
- No Allen screw or transverse spindles needed
  - no hole for Allen screw needed
  - no alignment of the spindle necessary when tightening the Allen screw
  - no loosening of the Allen screw or spindle possible
- Integrated blocking mechanism in the receiver handle
  - easy assembly of door handles
  - almost totally play-free handle connection
  - long-lasting, firm connection of the door handles
- Use of a solid spindle
  - solid spindle for maximum torque transmission
- Variable axial handle fitting tested to DIN EN 1906
  - can be used for various door-thicknesses (in a defined area)
- Easy and quick removal of door handles
  - eg, with the Allen key included or a screwdriver

#### Important:

HOPPE Quick-Fit products should not be combined with spindles from other manufacturers!

European Patent **EP 1 683 933** HOPPE Quick-Fit connection



#### HOPPE Quick-FitPlus Less is more

HOPPE Quick-FitPlus is the logical further development of the tried and tested HOPPE Quick-Fit connection.

This technology not only allows simple installation, without the need for screws, of door handles, but also of round, square and rectangular flat roses. The new HOPPE Quick-FitPlus sets are making an impression with their virtually flush rose design.

# Quick-FitPlus

#### The advantages at a glance:

- All advantages of the patented HOPPE Quick-Fit connection (see p. 26)
- stainless steel flat roses (only 2 mm thick) in keeping with today's trends in design
- Numerous combination possibilities of handles made of brass, stainless steel and aluminium, with round or square roses
- Easy and precise assembly of the whole door handle set (flat roses and door handles) in a few seconds and without the need for screws
- Suitable for renovation, thanks to the extra-large flat roses
- tested to DIN EN 1906

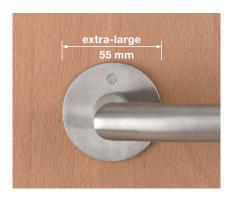


You can find HOPPE Quick-Fit-Plus films at **www.hoppe.com**. If you have any questions please get in touch with your HOPPE contact person.

European Patent **EP 1 683 933**HOPPE Quick-Fit connection

#### **Renovation with HOPPE Quick-FitPlus**

The extra-large square or round roses are ideal for renovation work as they completely cover any signs of the old fittings.

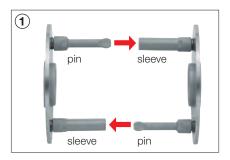




# HOPPE Quick-FitPlus connection

#### Handle rose with through-going supporting lugs

The through-going supporting lugs of the handle roses consist of a nylon pin and sleeve each. By plugging one into the other a play-free and firm fixing is produced. Matching escutcheons with through-going supporting lugs are also available.

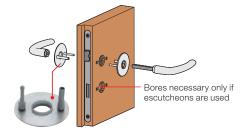


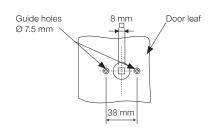


#### **Door preparation**

This solution is for use on standard doors with standard locks. No special door preparation is needed. Only two 7.5 mm-Ø guide holes are necessary for the through-going supporting lugs.

Handle roses E847N, E848N and E849N with through-going supporting lugs can be fit with a spring cassette as an option.





#### **Fitting**

The handle roses with **through-going supporting lugs** and the door handles are simply fitted together and escutcheons with through going supporting lugs added if necessary, with the whole set able to be installed without the need for screws.



Put the handle roses together



Put the door handles together



If necessary, put the escutcheons together – and fitting is complete!

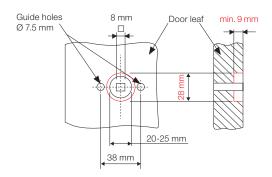


# Spring cassette for flat handle roses with supporting lugs

Handle roses with through-going supporting lugs (E847N, E848N and E849N) can be fit with a spring cassette as an option.

#### **Door preparation**

As the bore must be 28 mm in diameter in the area of the handle hole, it might be necessary to increase the existing hole.



#### Important note:

For rebated doors, it is recommended to drill the bore for the spring cassette on the rebated side of the door.



Drill the bore by using a standard Forstner bit (28 mm diameter) and the drilling jig available from HOPPE for the spring cassettes of flat handle roses.

#### **Fitting**

Before fitting the HOPPE Quick-FitPlus handle set, clip in the spring cassette on the back of the handle rose.



Please make sure to clip in the spring cassette in the right direction (the arrow indicates the handle's direction of operation).



Clip in the spring cassette on the back of the handle rose.



Put the handle roses together – and fitting is complete!

# HOPPE Quick-FitPlus connection

#### **Escutcheon with through-going supporting lugs**

# Guide holes Ø 7.5 mm

#### Door preparation and fitting

This solution is for use on standard doors with standard locks. No special door preparation is needed. Only two 7.5 mm-Ø guide holes are necessary for the **through-going** supporting lugs. Then the escutcheons can simply be put together.



Fix the template on the door by inserting the key into the keyhole and mark the bores for the guiding lugs.



Drill the holes for the guiding lugs (remove the lock case for this).



Put the escutcheons together – and fitting is complete!

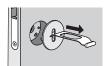
#### **Disassembly**

By using the disassembly aid, the flat handle roses and escutcheons (both self-adhesive and with supporting lugs) can easily be removed.













#### Simply stick on instead of screwing: HOPPE Quick-FitPlus self-adhesive escutcheon

In many areas, todays advanced bonding technologies have replaced screwed fastening used for ages. For example, the foil used for HOPPE Quick-FitPlus, which is adhesive on both sides, is used by the car and furniture industry, too. According to the respective demands, it is resistant to elevated temperatures, moisture and ageing.

#### The self-adhesive handle roses and escutcheons are suitable for:

- Solid wood doors
- Real wood veneer doors
- Painted doors
- Decorative surface-/laminated doors

The door surfaces in the area where the adhesive is to be used must be totally flat. The sticking surfaces must be clean, dry and free of both grease and separating agents as well as capable of bearing the weight. Yet, for stained doors and doors with oil finish, conventional escutcheons with screw fixing are recommended.

#### **Door preparation**

This solution is for use on standard doors with standard locks. No special door preparation is needed.

Clean the door surface in the area where the adhesive is to be used. Only the cloth delivered with the products should be used to clean or remove grease from the surface of the door. Smooth the protruding edges of the holes if necessary.

#### Positioning and sticking of the escutcheons





The self-adhesive oval keyhole escutcheons can be positioned with the enclosed installation key.

For the installation of the profile cylinder escutcheons the cylinder already fitted serves as a guide.

The privacy version can be positioned by using the spindle connected to the handle rose.

Should the escutcheon not be positioned accurately enough, it is still possible to re-position it as adhesion is complete only after 24 hours.

#### **Disassembly**

With the help of a normal hairdryer you can loosen the adhesion again and then gently remove the handle rose from the door panel by using the disassembly aid (see p. 30) or a scraper.



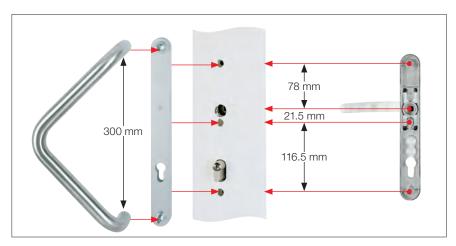
# Uniform screw hole distance

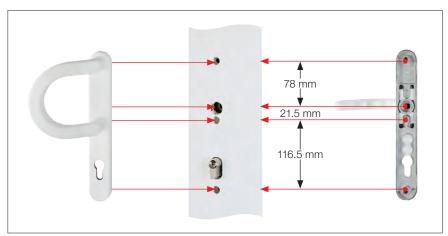


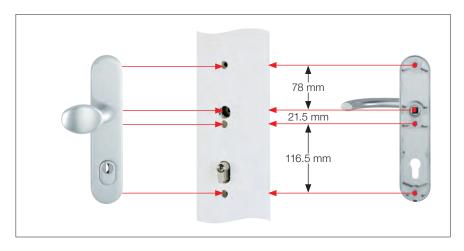
# Advantages and fixing examples of HOPPE exterior door products

- Uniform drilling in the case of narrow backplate for pull handles (247N) profile door sets on backplate and security sets, resulting in:
  - greater flexibility in shape
  - simple fitting of the door handles in situ
  - no damage in transit
  - space-saving in transit

Exterior side	Profile with	Interior side
of door	3 drill-holes	of door









#### **HOPPE** profile door sets

Like all HOPPE products, profile door sets are renowned for their quality, workmanship, technology and durability.

HOPPE profile door sets come in aluminium, stainless steel, nylon and brass. These products have been specially developed for doors with narrow profiles (frames) and come in numerous types.

- ES1 (SK2) Security set on backplate
  - knob (pad) / handle sets with cranked pads, push handles or knobs
  - sets with handles on both sides
  - fixed / movable door handles
  - with spring
  - with and without cylinder cover
  - with steel base and lugs in the external backplate and zamak base and lugs in the internal backplate
  - concealed fixing with M6 thread screws
  - tested to **DIN 18257**

#### • Sets on backplates

- knob (pad) / handle sets with cranked pads, push handles or knobs
- sets with handles on both sides
- sets with short neck handles on the exterior for doors with blinds
- fixed / movable or non-fixed handles
- with or without spring
- with stainless steel base and lugs, zamak base and lugs or without base and lugs
- concealed or visibly fitted with M6 thread screws from the inside

#### • Sets on rose

- knob (pad) / handle sets with cranked knobs/pads (fixed)
- knob (pad) / handle sets with cranked knobs/pads (fixed/movable)
- sets with handles on both sides
- fixed / movable handles
- with spring
- with zamak base
- concealed fixing with M5 fixing nuts (for aluminium doors) or M5 expanding lugs for PVC doors

#### • Fire-resistant rose sets

- Fire-resistant knob / pad handle sets with cranked knobs (fixed)
- Fire-resistant knob / pad handle sets with cranked knobs (fixed/movable)
- Fire-resistant sets with handles on both sides
- Fire-resistant door handles (fixed/movable)
- with spring
- with metal base
- concealed fixing with M5 fixing nuts (for aluminium doors) or M5 expanding lugs (for doors)
- tested to **DIN 18273**





















#### The HOPPE fixing systems for pull handles

- A splaying system is used for the one-side-fixing of the pull handle onto PVC and aluminium profiles. The pull handle is thereby firmly fixed, completely play-free, for a long period.
- A long term firm attachment is established by means of the support provided by the steel/aluminium reinforcement (or the main chamber), along with the splaying of the fixing system into the reinforcement (or main chamber) at the same time.
- In addition to the splaying system, the one-side-fixing of pull handles to wooden doors is provided with a threaded sleeve. This gives the fixing system extra strength. The pull handle is thereby fixed firmly for a long period of time and remains play-free.
- In addition, HOPPE can provide fixing sets for:
- pull handle/pull handle attachments,
- glass doors (one-side with cover roses and pull handle/pull handle attachments),
- wooden doors with a thickness of less than 56 mm (with cover roses on the interior side of the door),
- fixing to walls.

# The advantages of the HOPPE pull handle fixing system no. 11



- is a solution to mounting the pull handle near the lock case (see picture on right)
- can be used with all nylon profiles with a pre-chamber dimension = V-dimension of 11-16 mm), as well as with aluminium- and wooden profiles (except single chamber profiles)
- Fixing system no. 1103
  - is a solution to mounting the pull handle near the lock case
  - can be used with all nylon profiles (pre-chamber dimension = V-dimension 11-26 mm), with aluminium- and wooden profiles (except single chamber profiles)
- Fixing system no. 1102
- can be used with all nylon-, aluminium-, and wooden profiles with a minimum door thickness of 56 mm (except single chamber profiles)
- can be used regardless of pre-chamber dimension = V-dimension
- allows simple and time-saving mounting (only a 10 mm drilling is necessary, as the fixing system has a self-cutting thread)



BS-1101



BS-1103



BS-1102

#### Important:

In order to mount the pull handles to ensure play-free attachment to the door, we recommend the use of our drilling jig set.



# Profile door and security escutcheons **HOPP**



#### The HOPPE clip-on escutcheon with self-adhesive base

The reverse side of the nylon base used in the HOPPE clip-on escutcheon with a height of 8 mm for profile doors is provided with a self-adhesive pad. In fitting, the foil covering the pad needs to be removed; the base is then stuck on the door and the cover cap is clipped onto the base. In the case of 3 mm high clip-on escutcheons, the self-adhesive pad is fitted directly into the reverse side of the cover cap. Cover caps come in various finishes in aluminium and stainless steel.



#### The HOPPE profile door sliding rose

The HOPPE profile door sliding escutcheon has a two-part zamak base. In fitting, the lower part of the base is screwed onto the profile first. The second part is then slid on, covering the screwing points of the lower part and the cover cap clipped on. Once the cylinder has been fitted, movement of the upper base is no longer possible, as access to the screws is prevented. The sliding escutcheon comes with a cylinder cover (see picture – height 11 or 14 mm) or with profile cylinder holing (height 6, 8 or 14 mm). The cover cap comes in various finishes in either aluminium or stainless steel.



# The HOPPE ES1 security set according to DIN 18257:2003-03

The HOPPE ES1 security set comes with a steel plate which has an adhesive pad on one side and has to be stuck onto the lock case in the area of the profile cylinder (i.e. on the lock side pointing towards the door exterior side) before fitting the security escutcheon. The security escutcheon, which is available in aluminium and stainless steel or without cylinder cover (for protruding cylinder lengths of 10-18 mm), comes with a hardened base.



#### Flat HOPPE stainless steel security roses

Flat roses are a trend that is now also emerging for entrance doors. With flat stainless steel security roses in the Standard and Burglary-resistant (ES1) versions, an attractive solution is available which is inserted almost flush into the entrance door (the rose only protrudes by 2 mm). Two versions are available to protect the cylinders against break-in attempts: a classic cylinder cover, as well as a face hole that allows access only to the keyway of the cylinder. In the Burglary-resistant (ES1) version, the escutcheons have a steel base in addition. The flat roses are available in rectangular and round versions.





#### The HOPPE range for pocket doors

With the range for pocket doors, the fitting technology has been further developed for simplicity and ease. For example, with the innovative telescopic spindle (in the panic release / turn button version), it is no longer necessary to have a set screw and the respective drill hole.

Furthermore, this enhanced technology can be used with a wide range of door-thicknesses. The doors are not spoilt in any way by drilling or unsightly preparation.

#### Advantages at a glance:

- Quick and easy fitting
- Shorter fitting time
- With innovative telescopic spindle (no need for set screw)
- Suitable for a wide range of door-thicknesses
- Concealed fixing (exception: 4930)

door-exterior side: emergency release with telescopic spindle (insert, solid spindle)



door-interior side: turn button with telescopic spindle (receiver part, sleeve)

#### Features of pocket door sets of the duravert® product line:

- All finishes with the Resista® surface guarantee
- Maximum projection including stowable turn button 4 mm
- Solutions with normal or stowable turn button (stowable turn button as standard with oval and square shells)

#### Features of pocket door sets of the duraplus® product line:

- Some finishes with the Resista® surface guarantee
- Maximum projection including stowable turn button 4 mm
- Solutions with normal or stowable turn button (stowable turn button as standard with oval and square shells)

#### Features of pocket door sets of the duranorm® product line:

- Solutions with round, oval, square and rectangular shells
- Easy assembly
- Maximum projection 2 mm

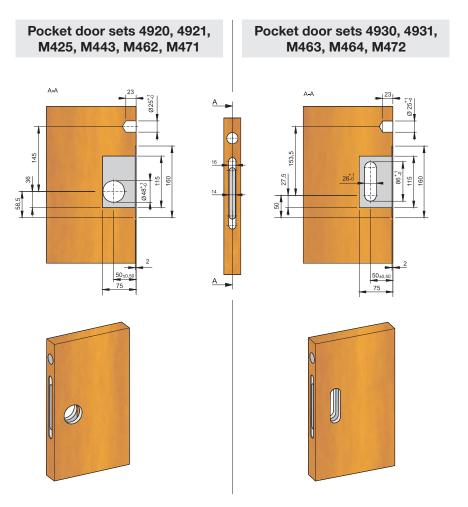
The sliding door sets are available in the following types:

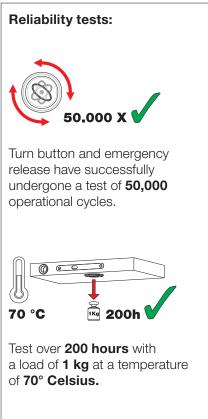
	oval standard keyhole (OB)	Set 3 and Set 4
	profile cylinder (PZ)	Set 9
	external: emergency release, internal: turn button (SK/OL)	Set 1 and Set 2
	external: emergency release, internal: stowable turn button (SK/OL)	Set 6 and Set 7
UG	without keyhole (UG)	Set 5



#### **Door preparation**

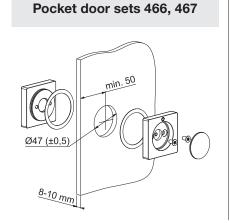
You will find details of door preparation for the new pocket door sets with round and oval pocket door shells below. Detailed installation instructions are enclosed with every set.

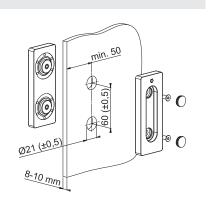




#### Door preparation for glass doors

You will find details of door preparation for the new pocket door sets with round and oval pocket door shells below. Detailed installation instructions are enclosed with every set.





Pocket door sets 468, 469

# Reference buildings worldwide (selection)





Hotel Mandarin OrientalHong Kong
SIEMENS-NIXDORF Head OfficeKuala Lumpur
PETRONAS Head Office
Kota Kenabalu (Sabah)
Acrovista - Seoul
Austria
Ärztehaus Baden
Porsche-Hof
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Czechia
Hotel Aria***** Praha
France
Deutsche BankParis
Musée du quai BranlyParis
Stade de France
Parlement EuropéenStrasbourg
Germany
Spree-Ufer-ResidenzBerlin
Düsseldorfer StadttorDüsseldorf
Europa-CenterHamburg
RheinEnergieStadionKöln
Hungary
Külügyminisztérium Budapest
Művészetek PalotájaBudapest
Mayoozotok i alotaja
Italy
SelimexLaces
Ospedale "Alessandro Manzoni"Lecco
Centro di recupero "Fatebenefratelli" Cernusco sul Naviglio Milano
Fiera di MilanoMilano
Palazzo Pirelli
Netherlands
Eempolis
La Guardia Plaza Toren I en II
Kantoor La Tour
Kantoor La Tour
Kantoor La Tour
Kantoor La Tour
Kantoor La Tour Apeldoorn Montevideo Rotterdam  Slovenia Grand Hotel Sava Rogaška Slatina Hotel Astoria Bled
Kantoor La Tour Apeldoorn Montevideo Rotterdam  Slovenia Grand Hotel Sava Rogaška Slatina Hotel Astoria Bled  Spain
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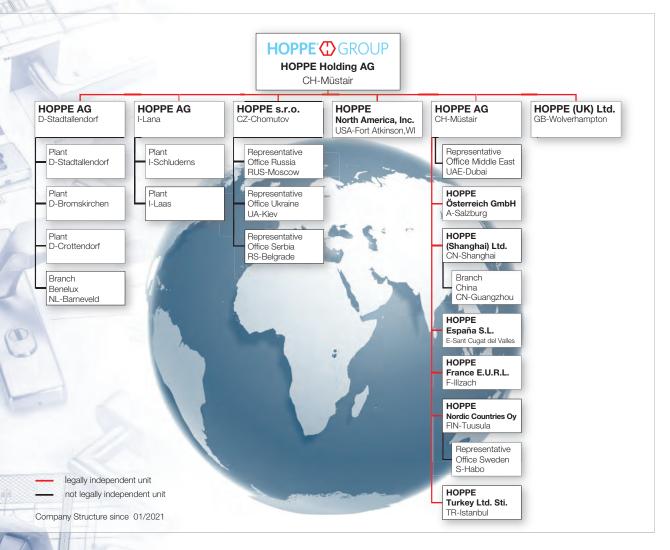


### The HOPPE Group Profile

#### The HOPPE Group

In 1952, Friedrich Hoppe founded a company for the manufacture of door hardware in Heiligenhaus near Düsseldorf, the former heartland of Germany's lock and hardware industry. In 1954 he moved the business to Stadtallendorf (north of Frankfurt) and in so doing laid the foundation for continual growth.

Today, the HOPPE Group, an internationally active company with its headquarters in Switzerland, is led by Wolf Hoppe and Christoph Hoppe in its second generation.



With around 3,000 people it employs in seven plants in Europe and the USA as well as its international marketing, the owner-run HOPPE family business is the European leader in the development, manufacture and marketing of hardware systems for doors and windows.

In fairness to employees, customers, suppliers and the regions in which HOPPE is located, the company pursues the principle of profitability before turnover. The following beliefs make the HOPPE Group what it is today:

"Creativity is intelligent thinking against the norm", the result being: "Different from and better than others".

#### Handle of Excellence.

Enjoy the feel of quality. Indeed, touching a quality handle reassures you that you have made the right choice. Hardware with this logo  $\bigcirc$  is a brand-name product, which, in our view, is tantamount to a promise of quality.

All production plants of the HOPPE Group in Germany, Italy and the Czech Republic are certified in accordance with DIN EN ISO 9001:2015. Continuous striving for improvement in quality remains a permanent process.

HOPPE is aware that simply manufacturing a faultless product is not sufficient today. Among the important criteria HOPPE considers, are efficient manufacturing to quality standards, complying with current regulations, short product life-cycles and, above all, close attention to customer requirements.





#### **The Product Range**

For everyone who wants to upgrade their surroundings, HOPPE, Europe's leading brand of door and window handles, can fit in with any personal living and furniture style. With high quality and fair price, our products enhance everyone's choice of interior decor. There is something for every situation in the extensive product range. HOPPE products are tradesman's first choice. HOPPE not only offers a wide range of attractive handles for doors and windows but also develops specific solutions. Thus a building or an apartment can be equipped with the "Handle of Excellence" form the representative entrance door to the interior doors and windows and, what is more, in a choice of materials such as aluminium, stainless steel, nylon or brass.

#### The Environment

At HOPPE, consideration for the environment is of "constitutional" importance. Some examples are:

- the manufacture of hardware in an environmentally-considerate way
- the recycling of waste-water and the use of a circulatory system for water required in manufacture
- environmentally-considerate packaging material
- the use of recyclable scrap in the internal raw material cycle
- the use of process heat
- the generation of alternative energy
- energy efficiency measures
- membership of the Hesse State Environmental Alliance

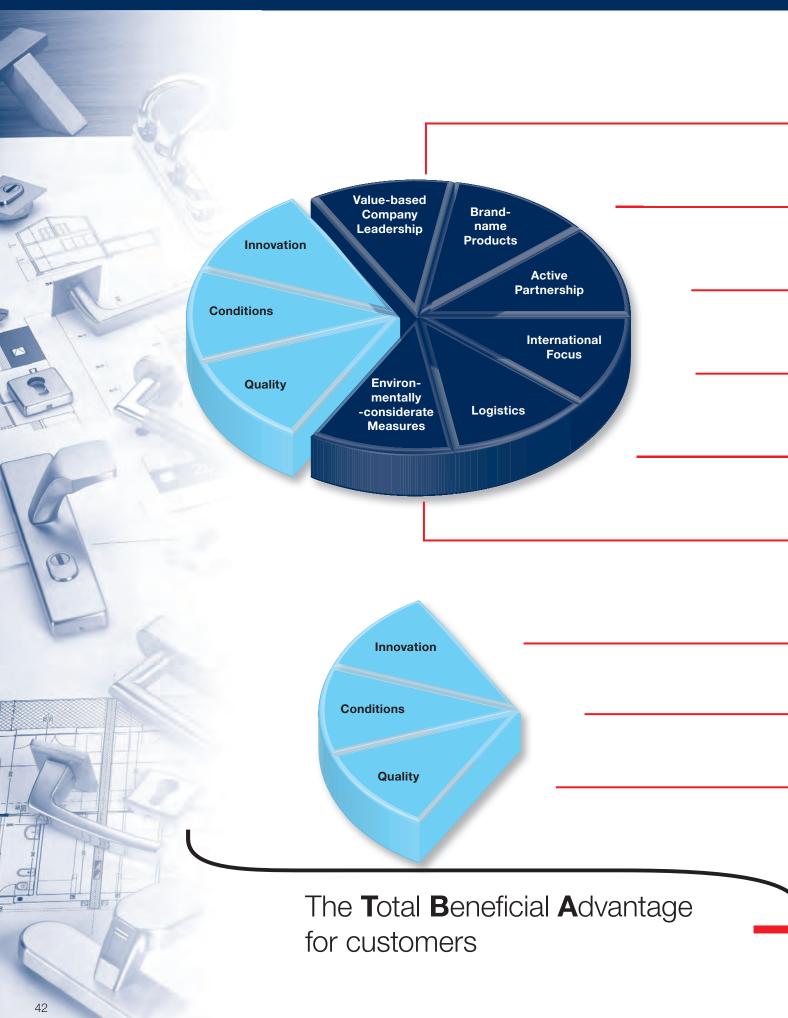
All production facilities of the HOPPE Group in Germany, Italy and the Czech Republic are certified to DIN EN ISO 14001:2015 (Environmental Management System). Since 2014, HOPPE AG, Stadtallendorf, is certified to DIN EN ISO 50001:2018 (Energy Management System).







# The Beneficial Performance offered by HOPPE to customers





You will benefit from a cooperation between partners which is based on values. So you will gain from the commitment of our employees, whose motivation is based on and supported/strengthened by the value-based and purpose-oriented company leadership. By actively living the values on a daily basis, we are also able to assume our social responsibility.

You will stand out as a competent market partner with products "Made by HOPPE" in the distribution chain against competitors who sell cheap, no-name products.

You will raise the efficiency of your sales activities and increase your profits in the long term by benefiting from focused sales and marketing concepts developed in cooperation with HOPPE. You will be able to build up a long-term, sustainable business relationship with us through a trusting partnership in the market.

You will benefit from HOPPE's international structure (locations, costs, assured delivery, numerous home markets) not only in purchasing but also in sales.

You will be able to decrease your stock costs with the help of our binding, high on-time delivery for those ranges with set lead times. Even more savings potential can be provided by the integration between our respective systems.

You will be making an active contribution to the environment by using HOPPE products. Consideration for the environment is of "constitutional" importance at HOPPE, and indeed on a daily basis.

#### In addition to what you would normally expect, HOPPE offers more:

You will be able to solve your customers' problems through products appropriate for the target groups that correspond to the current state of the art.

You will benefit from HOPPE's innovation leadership. Ongoing technical and conceptual innovations will enable you to be an attractive business partner for your customers.

You will benefit profitably from business with HOPPE because of the attractive benefit/price ratio. Be careful not to be misled by comparing the margin of HOPPE products with the average margin of the distributor, since this does not take into account the actual processing costs and quantity effects.

You will enjoy increased trust in the eyes of your customers by your offering consistently good, appropriate brand-quality products at various price levels. You will be actively supported by the relevant standards and testing requirements met, as a matter of course, as well as the guarantees granted by HOPPE which exceed such standards by far.

## **Advantages which pay!**

\_\_\_\_\_



#### How to recognise original HOPPE products

The HOPPE logo (\*) is the visible sign of the manufacturer and thereby an important factor in product liability. Should there be any problem, you can always turn to the manufacturer, unlike with "no name products".

On door handle sets, you will find the HOPPE logo on:

- the exterior side of the backplates 1 and roses 2
- the rear side of the die cast plates 3
- the HOPPE profile spindle 4









On window handle sets, you will find the HOPPE logo on:

- the cover cap **5** (if there is no customer logo)
- the rose (6)
- the notch ring (7)
- the key (8)
- the rear side of the handle neck (9) (of lockable window handles)



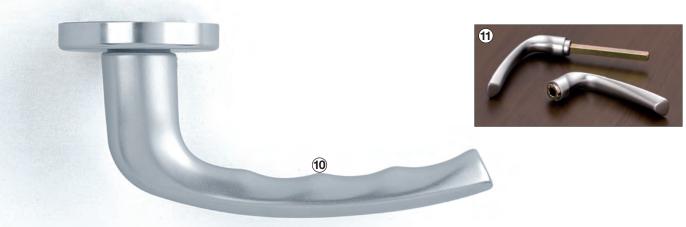








It is not only the HOPPE logo, but the grips 10 and the HOPPE Quick-Fit connection 1 too, which give you the assurance of having a genuine HOPPE product.







### Overview interior door sets



# The duravert® product line

for the discerning



**Athinai** M156 page 50



Bergen M1602 page 50



**Phoenix** M1640 page 51



**Escutcheons** page 51





# The dura**plus**® product line

more than usual

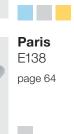


**Amsterdam** (E)1400 page 56

Marseille 1138 page 63



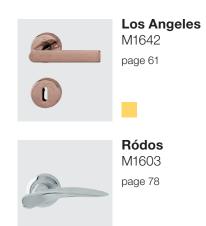




**Dallas** 

page 59

(E/M)1643







Stockholm E1140 page 79



**Strasbourg** 173 page 80



Vitória M1515 page 81



**Escutcheons** 

page 82





# The dura**norm**® product line

consistently good value



**Dubayy** 1107 page 90



**Dublin** 1124 page 91





Maribor 1766 page 94



Seattle 168L page 96



**Escutcheons** page 97







for the discerning duravert®



Quick-Fit

#### Athinai - M156/19K

dura**vert**®

HOPPE brass handle set on rose without escutcheons for interior doors:

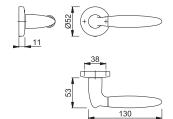
- Tested to **DIN EN 1906: 37-0140A**, handle set for commercial applications
- Bearing: loose door handles, non-handed spring cassette, maintenance-free slide bearing
- Connection: HOPPE Quick-Fit connection with HOPPE solid spindle (spindle receiver components)
- Base: nylon
- Fixing: concealed, M4 thread screws with sleeve nuts or multi-purpose screws







Description	ф	rin.	F49/F69	F77R/F52-R		DII	0.0
Description		<b>₩</b>	Art. no.	Art. no.		P.U.	0.0.
Door handle set	35-53	8	2706331	3004488		1	10
without escutcheon							







The Resista® guarantee applies to all finishes with the letter **R** in the finish key.



#### Bergen - M1602/19K

dura**vert**®



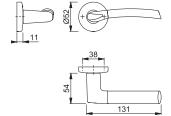
- Tested to **DIN EN 1906: 37-0140A**, handle set for commercial applications
- Bearing: loose door handles, non-handed spring cassette, maintenance-free slide bearing
- Connection: HOPPE Quick-Fit connection with HOPPE solid spindle (spindle receiver components)
- Base: nylon
- Fixing: concealed, M4 thread screws with sleeve nuts or multi-purpose screws







Do	escription			F49/F9	F72/F9	F77R/F52R	P.U.	00
Des	cription		H <del></del>	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Do	or handle set	37-50	8	2706488	2706461	3004656	1	10
wit	hout escutcheon							













#### **Bergen - M1602**

dura**vert**®



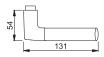
HOPPE brass door handle pair for interior doors:

- Connection: HOPPE Quick-Fit connection with HOPPE solid spindle (spindle receiver components)
- Flange: for loose bearing



Description		<del></del>		F49/F9		DII	00
Description				Art. no.		P.U.	0.0.
Door handle, pair	54-72	8	3	3057820		1	10





#### Phoenix - M1640/19K

dura**vert**®



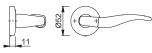


HOPPE brass handle set on rose without escutcheons for interior doors:

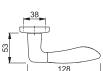
- Bearing: loose door handles, non-handed spring cassette, maintenance-free slide bearing.
- Connection: **HOPPE Quick-Fit connection** with HOPPE solid spindle (spindle receiver components)
- Base: nylon
- Fixing: concealed, M4 thread screws with sleeve nuts or multi-purpose screws



Description		d h		F49R/F98R		DII	
Description		<b>□</b>		Art. no.		P.U.	0.0.
Door handle set	37-50	8		2706023		1	10
without escutcheon							









■ 19KS duravert®

HOPPE aluminium escutcheon pair for interior doors:

- Base: nylon
- Fixing: concealed, multi-purpose screws

Description		Keyhole	F9		DII	O.C.	
Description		<del> </del>	Reynole	Art. no.		ا <sup>۲.</sup> 0.	0.0.
Escutcheon, pair				8111049		10	100
			U				
				8111023		10	50
			U				
Bathroom/WC	37-42		$\Theta$	8111155		5	20
escutcheon, pair		5-8					









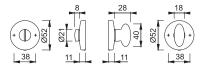
dura**vert**®

 $\label{thm:hoppe} \mbox{HOPPE brass rose pair with emergency release/turn for bathroom/WC doors:}$ 

- Base: nylon
- Fixing: concealed, multi-purpose screws



Description			Keyhole	F49/F69	F49-R	F49R/F98R	F98-R	DII	O.C.
		<b>□</b>	Reynole	Art. no.	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Escutcheon, pair					1668942		1701280	2	12
Bathroom/WC escutcheon, pair	38-42	5-8	0	2181095	1865989	1701298		2	12



















#### Amsterdam - E1400Z/42KV/42KVS

dura**plus**®

HOPPE stainless steel handle set on rose with escutcheons for interior doors:

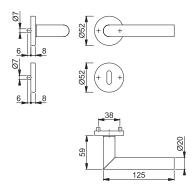
- Tested to **DIN EN 1906: 37-0140A**, handle set for commercial applications
- Bearing: loose door handles, non-handed spring cassettes, maintenance-free slide bearing
- Connection: **HOPPE Quick-Fit connection** with HOPPE solid spindle (spindle receiver components)
- Base: nylon, supporting lugs
- Fixing: concealed, bolt-through, bidirectional, multi-purpose screws







Description		F-1-1	Keyhole	F69-S		DII	O.C.
Description		<del>     </del>	Reynole	Art. no.		JF.U.	0.0.
Door handle set	37-47	8/8,5	0	3750819		1	10
		8/8,5		3750851		1	10



The letter **S** in the finish keys stands for SecuSan®, the antimicrobial surface. Suitable for interior applications only.











#### Amsterdam - E1400Z/42K/42KS

dura**plus**®

HOPPE stainless steel handle set on rose with escutcheons for interior doors:

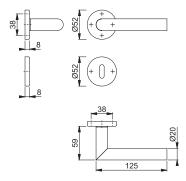
- Tested to **DIN EN 1906: 37-0140A**, handle set for commercial applications
- Bearing: loose door handles, non-handed spring cassettes, maintenance-free slide bearing
- Connection: HOPPE Quick-Fit connection with HOPPE solid spindle (receiver receiver components)
- Base: nylon
- Fixing: concealed, multi-purpose screws







Description	4		Keyhole	F69-S	F84-1-R		P.U.	
Description		<u> </u>	Reynole	Art. no.	Art. no.		F.U.	0.0.
Door handle set (receiver - receiver	35-45	8	0		11647024		1	10
components)	45-55	8		11628868			1	10
	65-75	8			11647085		1	10
Bathroom/WC handle set	37-47	8 5-8	0[]	3750923			1	10
Bathroom/WC handle set (receiver - receiver components)	40-45	8 5-8	Φ()		11717063		1	10
Bathroom/WC handle set with red-white-indicator	40-45	8 5-8		3784699			1	10



The Resista® guarantee applies to all finishes with the letter **R** in the finish key.

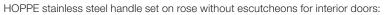
#### Resista®

The letter **S** in the finish keys stands for SecuSan®, the antimicrobial surface. Suitable for interior applications only.



#### Amsterdam - EX1400Z/42

dura**plus**®



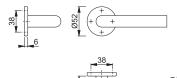
- Tested to **DIN EN 1906: 37-B150A**, handle set for commercial applications
- Bearing: sprung fixed/movable door handles, maintenance-free slide bearing
- Connection: solid spindle with eccentric hole on both ends
- Base: stainless steel
- Fixing: concealed, M4 thread screws with sleeve nuts or multi-purpose screws







Description		d   h     '	F69		חח	O.C.	
Description		H——H		Art. no.		P.U.	0.0.
Door handle set	40-50	8		87100876		1	20
without escutcheon							



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.



Quick-FitPlus

#### Amsterdam - E1400Z/849N

dura**plus**®

**HOPPE Quick-FitPlus** stainless steel handle set on flat rose without escutcheons for interior doors:

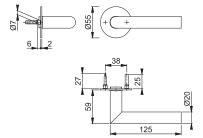
- Tested to **DIN EN 1906: 37-0140U**, handle set for commercial applications
- Bearing: loose door handles, maintenance-free slide bearing
- Connection: **HOPPE Quick-Fit connection** with HOPPE solid spindle (receiver receiver components)
- Fixing: plug-in handle roses with through-going supporting lugs, self-adhesive escutcheons
- Special feature: non-screw fitting, 2 mm flat roses







Description			F69	F84-1-R		DII	O.C.
Description		<del>     </del>	Art. no.	Art. no.		F.U.	0.0.
Door handle set without escutcheon	35-45	8	3746641			1	10
		8/8,5		11650527		1	10



The Resista® guarantee applies to all finishes with the letter **R** in the finish key.



#### Amsterdam - E1400Z/845

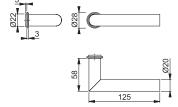
dura**plus**®

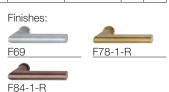


- Bearing: loose door handles, maintenance-free slide bearing
- Connection: **HOPPE Quick-Fit connection** with HOPPE solid spindle (receiver receiver components)
- Fixing: plug-in mini roses
- Special feature: non-screw fitting



Description			[]		F78-1-R	F84-1-R	DII		
				Art. no.	Art. no.	Art. no.		P.U.	0.0.
Door handle set	36-54	8/8,5		10781648	11658757	11658794		1	10
without escutcheon									















#### Dallas - M1643/843K/843KS

dura**plus**®

HOPPE brass handle set on rose with escutcheons for interior doors:

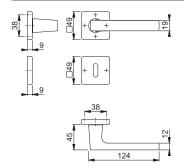
- Tested to **DIN EN 1906: 37-0140A**, handle set for commercial applications
- Bearing: loose door handles, non-handed spring cassettes, maintenance-free slide bearing
- Connection: **HOPPE Quick-Fit connection** with HOPPE solid spindle (receiver receiver components)
- Base: nylon
- Fixing: concealed, multi-purpose screws

2	5	
ı	2	





Description				F84-1-R	F84-R	F96-1-R	F96-R	P.U.	
Description		<del>4 →</del>	Keyhole	Art. no.	Art. no.	Art. no.	Art. no.	P.U.	0.0.
Door handle set (receiver - receiver	37-52	8	0	11724973	11724948	11724900	11724870	1	10
components)	62-74	8	9	11724985	11724955	11724912	11724882	1	10
Bathroom/WC handle set (receiver - receiver components)	38-48	8 5-8	<b>D</b> []	11724997	11724961	11724936	11724894	1	10
Description			Keyhole	F97-1-R	F97-R			P.U.	)
Description		l <del>&lt; →</del> I	Reynole	Art. no.	Art. no.			P.U.	0.0.
Door handle set (receiver - receiver	37-52	8	0	11724778	11724468			1	10
components)	62-74	8		11724785	11724754			1	10
Bathroom/WC handle set (receiver - receiver components)	38-48	8 5-8	0	11724791	11724766			1	10









Quick-FitPlus

#### Dallas - M1643/848N

dura**plus**®

**HOPPE Quick-FitPlus** brass handle set on flat rose without escutcheons for interior doors:

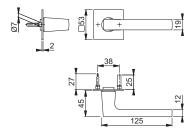
- Tested to DIN EN 1906: 37-0140U, handle set for commercial applications
- Bearing: loose door handles, maintenance-free slide bearing
- Connection: **HOPPE Quick-Fit connection** with HOPPE solid spindle (receiver receiver components)
- Fixing: plug-in stainless steel handle roses with through-going supporting lugs
- Special feature: non-screw fitting, 2 mm flat roses







Description			F84-1-R	F84-R	F96-1-R	F96-R	P.U.	00
Description		<del>     </del>	Art. no.	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Door handle set	35-45	8/8,5	11714311	11714293	11714275	11714256	1	10
without escutcheon								
Description	474		F97-1-R	F97-R			P.U.	0
Description		H <del></del>	Art. no.	Art. no.			P.U.	O.C.
Door handle set	35-45	8/8,5	11714135	11714128			1	10
without escutcheon								





The Resista® guarantee applies to all finishes with the letter **R** in the finish key.







#### Dallas - M1643/845

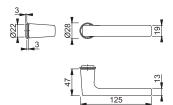
dura**plus**®

HOPPE brass handle set on mini rose without escutcheons for interior doors:

- Bearing: loose door handles, maintenance-free slide bearing
- Connection: HOPPE Quick-Fit connection with HOPPE solid spindle (receiver receiver components)
- Fixing: plug-in mini roses
- Special feature: non-screw fitting



Description			F84-1-R	F84-R	F96-1-R	F96-R	P.U.	00
Description		<del></del>	Art. no.	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Door handle set	35-55	8/8,5	11717221	11717215	11717208	11717191	1	10
without escutcheon								
Description			F97-1-R	F97-R			P.U.	00
Description		<b>□</b>	Art. no.	Art. no.			F.U.	0.0.
Door handle set	35-55	8/8,5	11717142	11717130			1	10
without escutcheon								















#### Los Angeles - M1642/42K/42KS

dura**plus**®

HOPPE brass handle set on rose with escutcheons for interior doors:

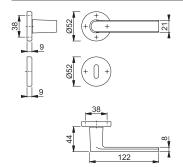
- Tested to **DIN EN 1906: 37-0140A**, handle set for commercial applications
- Bearing: loose door handles, non-handed spring cassettes, maintenance-free slide bearing
- Connection: **HOPPE Quick-Fit connection** with HOPPE solid spindle (receiver receiver components)
- Base: nylon
- Fixing: concealed, multi-purpose screws

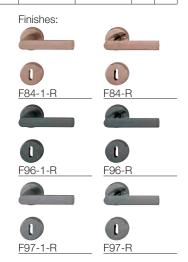
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U	2	





Description			Kaybala	F84-1-R	F84-R	F96-1-R	F96-R	P.U.	
Description		H—————————————————————————————————————	Keyhole	Art. no.	Art. no.	Art. no.	Art. no.	P.U.	0.0.
Door handle set (receiver - receiver	37-52	8	0	11725229	11725059	11725005	11724742	1	10
components)	62-74	8	9	11725254	11725187	11725011	11724821	1	10
Bathroom/WC handle set (receiver - receiver components)	38-47	8 5-8	<b>D</b> []	11725278	11725205	11725023	11724924	1	10
Description			Keyhole	F97-1-R	F97-R			P.U.	00
Description		<del> </del>	Reynole	Art. no.	Art. no.			F.U.	0.0.
Door handle set (receiver - receiver	37-52	8	0	11724475	11724432			1	10
components)	62-74	8		11724493	11724444			1	10
Bathroom/WC handle set (receiver - receiver components)	38-47	8 5-8	0	11724614	11724456			1	10









Quick-FitPlus

#### Los Angeles - M1642/849N

dura**plus**®

**HOPPE Quick-FitPlus** brass handle set on flat rose without escutcheons for interior doors:

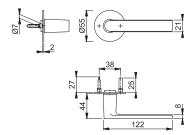
- Tested to DIN EN 1906: 37-0140U, handle set for commercial applications
- Bearing: loose door handles, maintenance-free slide bearing
- Connection: **HOPPE Quick-Fit connection** with HOPPE solid spindle (receiver receiver components)
- Fixing: plug-in stainless steel handle roses with through-going supporting lugs
- Special feature: non-screw fitting, 2 mm flat roses

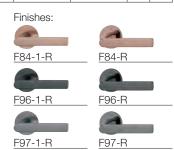






Description			F84-1-R	F84-R	F96-1-R	F96-R	DII	o.c.
Description		<del>     </del>	Art. no.	Art. no.	Art. no.	Art. no.	JF.U.	0.0.
Door handle set	35-45	8/8,5	11722241	11722235	11722228	11722216	1	10
without escutcheon								
Description			F97-1-R	F97-R			P.U.	00
Description		H—————————————————————————————————————	Art. no.	Art. no.			P.U.	0.0.
Door handle set	35-45	8/8,5	11722137	11722113			1	10
without escutcheon								





The Resista® guarantee applies to all finishes with the letter **R** in the finish key.







#### Los Angeles - M1642/845

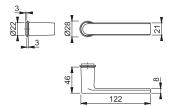
dura**plus**®

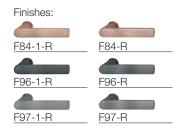
HOPPE brass handle set on mini rose without escutcheons for interior doors:

- Bearing: loose door handles, maintenance-free slide bearing
- Connection: **HOPPE Quick-Fit connection** with HOPPE solid spindle (receiver receiver components)
- Fixing: plug-in mini roses
- Special feature: non-screw fitting



Description			F84-1-R	F84-R	F96-1-R	F96-R	P.U.	00
Description		H———	Art. no.	Art. no.	Art. no.	Art. no.	P.U.	0.0.
Door handle set	35-55	8/8,5	11722526	11722502	11722447	11722435	1	10
without escutcheon								
Description			F97-1-R	F97-R			P.U.	0.0
Description		H <del></del>	Art. no.	Art. no.			P.U.	U.U.
Door handle set	35-55	8/8,5	11722405	11722368			1	10
without escutcheon								













#### Marseille - 1138/42K

dura**plus**®

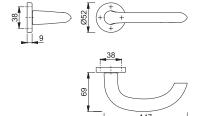
HOPPE aluminium handle set on rose without escutcheons for interior doors:

- Tested to **DIN EN 1906: 37-0140A**, handle set for commercial applications
- Bearing: loose door handles, non-handed spring cassettes, maintenance-free slide
- Connection: HOPPE Quick-Fit connection with HOPPE solid spindle (spindle receiver components)
- Base: nylon
- Fixing: concealed, multi-purpose screws





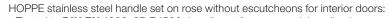
-	dipp	<u></u>	F1		PII	O.C.
Description		<b>₩</b>	Art. no.		P.U.	0.0.
Door handle set	45-55	8	3050396		1	10
without escutcheon						



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.

#### ■ Marseille - EX1138Z/42

dura**plus**®



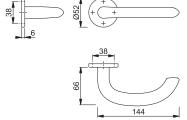
- Tested to DIN EN 1906: 37-B150A, handle set for commercial applications
- Bearing: sprung fixed/movable door handles, maintenance-free slide bearing
- Connection: solid spindle with eccentric hole on both ends
- Base: stainless steel
- Fixing: concealed, M4 thread screws with sleeve nuts or multi-purpose screws







Description		F-F-1	F69		PII	O.C.
Description		<b>I</b> ←→I	Art. no.		F.U.	0.0.
Door handle set	40-50	8	3147024		1	20
without escutcheon						



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.



Quick-Fit

#### Marseille - E1138Z/849N

dura**plus**®

HOPPE Quick-FitPlus stainless steel handle set on flat rose without escutcheons for interior doors:

- Tested to DIN EN 1906: 37-0140U, handle set for commercial applications
- Bearing: loose door handles, maintenance-free slide bearing
- Connection: HOPPE Quick-Fit connection with HOPPE solid spindle (spindle receiver components)
- Fixing: plug-in handle roses with through-going supporting lugs
- Special feature: non-screw fitting, 2 mm flat roses



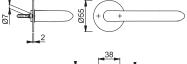
Included in a successful fire test to BS EN1634 Part-1. Assessed for





fire doors.

Description		rin.	F69		DII	O.C.
Description		<del>                                   </del>	Art. no.		P.U.	0.0.
Door handle set	35-45	8	3746924		1	10
without escutcheon						



use on 30 and 60 minute timber



#### Paris - 138S/2600 (AR200S on Plate)

dura**plus**®

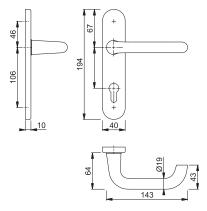
HOPPE aluminium handle set on short backplate for interior doors:

- Tested to **DIN EN 1906: 37-0140A**, handle set for commercial applications
- Bearing: sprung fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE solid profile spindle
- Base: steel
- Fixing: concealed, bolt-through, M4 thread screws with sleeve nuts





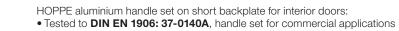
Description			Keyhole/	F1		БП	O.C.
Description		<b>□</b>	Distance	Art. no.		F.U.	0.0.
Door handle set	40-50	8	47,6	87108217		1	20
		8	72	2654518		1	20
Bathroom/WC handle set with red-white-	41-50	8 5	§ 57	87108222		1	20
indicator	40-45	8 5	ê 78	2654631		1	20





### Paris - 138S/267U (AR200S on Plate)

dura**plus**®

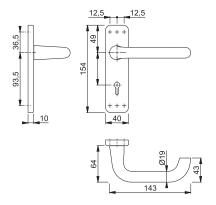


- Bearing: sprung fixed/movable door handles, maintenance-free slide bearing
   Connection: HOPPE solid profile spindle

- Fixing: concealed, bolt-through, M4 thread screws with sleeve nuts



Description	d d		Keyhole/	F1	F3		P.U.	00	
Boomption		i <del>&lt; →</del> i	Distance	Art. no.	Art. no.			0.0.	
Door handle set	41-50	8	57	2655908	2698588		1	20	
			8	48,5	2655941	2698684		1	20
				8	47,6	2655916	2698625		1
		8	without	2655959	2698511		1	20	
Bathroom/WC handle set with red-white-indicator	46-50	8 5	57	2655975			1	20	



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.



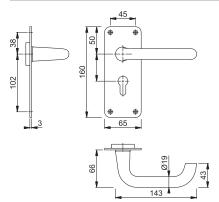
#### Paris - 138S/306 (unsprung, AR200S on Plate)

dura**plus**®

HOPPE aluminium handle set on flat short backplate for interior doors:

- Bearing: loose door handles, maintenance-free slide bearing
- Connection: HOPPE solid profile spindle
- Fixing: visible, multi-purpose screws

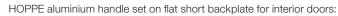
Description		<b>₩</b>	Keyhole/	F1		DII	O.C.
Description		<u> </u>	Distance	Art. no.		F.U.	0.0.
Door handle set	38-47	8	57	87108225		1	10
	38-47	8	48,5	87108227		1	10
	38-47	8	47,6	87108226		1	10
	38-47	8	without	87108224		1	10
Bathroom/WC handle set with red-white-indicator	40	8 5	57	87108228		1	10



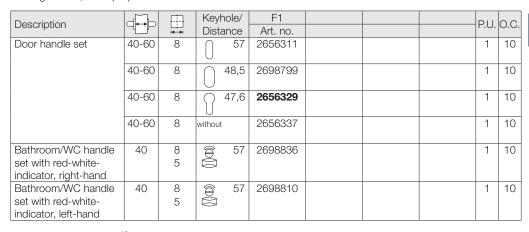


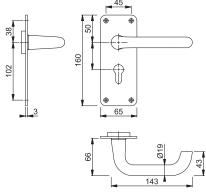


dura**plus**®



- Tested to **DIN EN 1906: 37-0130A**, handle set for commercial applications
- Bearing: sprung fixed/movable door handles, maintenance-free slide bearing
   Connection: HOPPE solid profile spindle
- Fixing: visible, multi-purpose screws









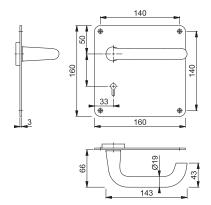
#### Paris - 138S/304L (unsprung, AR200S on Plate)

dura**plus**®

HOPPE aluminium handle set on flat square backplate for interior doors:

- Bearing: loose door handles, maintenance-free slide bearing
- Connection: HOPPE solid profile spindle (spindle receiver components)
- Fixing: visible, multi-purpose screws

Description			Keyhole/	F1		P.U.	00
Description		<b>□</b>	Distance	Art. no.		1 .0.	0.0.
Door handle set	38-47	8	57	87108230		1	10
	38-47	8	48,5	87108232		1	10
	38-47	8	47,6	87108231		1	10
	38-47	8	without	87108229		1	10
Bathroom/WC handle set with red-white-indicator, right-hand	40	8 5	57	87108234		1	10
Bathroom/WC handle set with red-white-indicator, left-hand	40	8 5	57	87108233		1	10





#### Paris - 138S/304L (sprung, AR200S/10)

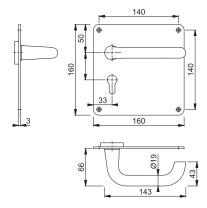
dura**plus**®



HOPPE aluminium handle set on flat square backplate for interior doors:
• Tested to DIN EN 1906: 37-0130A, handle set for commercial applications

- Bearing: sprung fixed/movable door handles, maintenance-free slide bearing
   Connection: HOPPE solid profile spindle
- Fixing: visible, multi-purpose screws

Description	d <del>o</del> b	<u> </u>	Keyhole/	F1		P.U.	O.C.
		<b>i</b> ←→i	Distance	Art. no.			
Door handle set	40-60	8	57	2656142		1	10
	40-60	8	48,5	2656290		1	10
	40-60	8	47,6	2656281		1	10
	40-60	8	without	2656302		1	10
Bathroom/WC handle set with red-white-indicator, right-hand	40	8 5	57	2694675		1	10
Bathroom/WC handle set with red-white-indicator, left-hand	40	8 5	57	2698781		1	10





#### Paris - 138S/42K (sprung, AR200S/10)

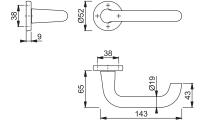
dura**plus**®

HOPPE aluminium handle set on rose without escutcheons for interior doors:

- Tested to DIN EN 1906: 37-0140A, handle set for commercial applications
- Bearing: sprung fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE solid profile spindle
- Base: nylon
- Fixing: concealed, M4 thread screws with sleeve nuts or multi-purpose screws



Description	4	<u> </u>	F1	F3		DII	O.C.
Description		<b>□</b>	Art. no.	Art. no.		F.U.	0.0.
Door handle set	40-47	8	2654497	2654500		1	10
without escutcheon							



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.



#### Paris - 138S/42K (unsprung, AR200S/10)

dura**plus**®

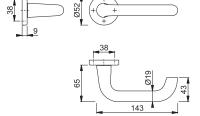
HOPPE aluminium handle set on rose without escutcheons for interior doors :

- Tested to DIN EN 1906: 37-B140U, handle set for commercial applications
- Bearing: loose door handles, maintenance-free slide bearing
- Connection: HOPPE solid profile spindle (spindle receiver components)
- Base: nylon
- Fixing: concealed, M4 thread screws with sleeve nuts or multi-purpose screws





Description		- Fi	F1		DII	o.c.
Description		<del>  </del>	Art. no.		JF.U.	0.0.
Door handle set	40-47	8	2656345		1	10
without escutcheon						



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.









#### Paris - E138Z/42K/42KS

dura**plus**®

HOPPE stainless steel handle set on rose with escutcheons for interior doors:

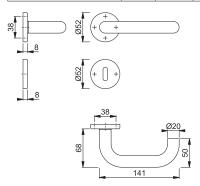
- Tested to **DIN EN 1906: 37-0140A**, handle set for commercial applications
- Bearing: loose door handles, non-handed spring cassettes, maintenance-free slide
- Connection: HOPPE Quick-Fit connection with HOPPE solid spindle (spindle receiver components)
- Base: nylon
- Fixing: concealed, multi-purpose screws

12	_	
J	2	





Description	4			F69-S		DII	O.C.
Description		<b>I</b> ←→I	Keyhole	Art. no.		P.U.	0.0.
Door handle set	37-47	8	n	3751344		1	10
		8		3751361		1	10
			U				
Bathroom/WC handle	37-47	8	$\Theta$	3751310		1	10
set		5-8	Š				
Bathroom/WC handle	40-45	8		3784681		1	10
set with red-white-		5-8					
indicator		8	ê	11891415		1	10
		5-8	Ď				



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.

The letter **S** in the finish keys stands for SecuSan®, the antimicrobial surface. Suitable for interior applications





#### Paris - EX138Z/42 (AR361)

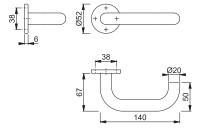
dura**plus**®

HOPPE stainless steel handle set on rose without escutcheons for interior doors:

- Tested to **DIN EN 1906: 37-B150A**, handle set for commercial applications
- Bearing: sprung fixed/movable door handles, maintenance-free slide bearing
- Connection: solid spindle with eccentric hole on both ends
- Base: stainless steel
- Fixing: concealed, M4 thread screws with sleeve nuts or multi-purpose screws



Description	401		Height	F68	F69		DII	O.C.
·		<b>₩</b>	riegrit	Art. no.	Art. no.		F.U.	0.0.
Door handle set without escutcheon	40-50	8	6		87100882		1	10
		8	6	87100883			1	20
		8	8	87100873	87100872		1	20



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.

#### Paris - EX138Z/42 (AR361/10 - Grade 4)

dura**plus**®



HOPPE stainless steel handle set on rose without escutcheons for interior doors:

- Tested to **DIN EN 1906: 47-B150A**, handle set for commercial applications
- Bearing: sprung fixed/movable door handles, maintenance-free slide bearing
- Connection: solid spindle with eccentric hole on both ends
- Base: stainless steel

Description

• Fixing: concealed, M4 thread screws with sleeve nuts or multi-purpose screws

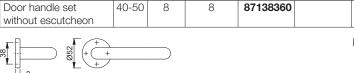
Height

F68

Art. no.



	DII	O.C.
	P.U.	0.6.
	1	10



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.





# Quick-Fit

#### Paris - E138Z/849N

dura**plus**®

**HOPPE Quick-FitPlus** stainless steel handle set on flat rose without escutcheons for interior doors:

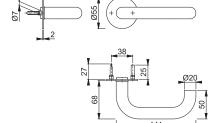
- Tested to **DIN EN 1906: 37-0140U**, handle set for commercial applications
- Bearing: loose door handles, maintenance-free slide bearing
- Connection: HOPPE Quick-Fit connection with HOPPE solid spindle (spindle receiver components)
- Fixing: plug-in handle roses with through-going supporting lugs
- Special feature: non-screw fitting, 2 mm flat roses







Description		<u> </u>	F69		DII	O.C.
Description		<b>₩</b>	Art. no.		P.U.	0.0.
Door handle set	35-45	8	3746959		1	10
without escutcheon						



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.



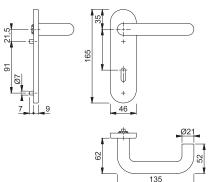
## Paris - K138/353K (AR600)

dura**plus**®

HOPPE nylon handle set on short backplate for interior doors:

- Bearing: loose door handles, maintenance-free slide bearing
- Connection: HOPPE solid profile spindle (receiver receiver components)
- Base: nylon
- Fixing: concealed, multi-purpose screws
- Special feature: door handles with steel cores

Description			Keyh	nole/	F1004	F3003	F3005	F5002	P.U.	00
Description		<del> </del>	Dista	ance	Art. no.	Art. no.	Art. no.	Art. no.	1 .0.	0.0.
Door handle set	30-49	8	P	57	8566395			8566402	5	50
		8	0	57		8566367	8566381		5	50
		8		48,5	8566549	8566535	8566542	8566556	5	50
		8		47,6	8566472	8566458	8566465	8566479	5	50
		8		72	11570088	11570125	11570076	11570095	5	50
		8	without		8566304	8566290	8566297	8566311	5	50
Bathroom/WC handle set with red-white-	45-49	8 5		57	8566626	8566612	8566619	8566633	5	50
indicator		8 5		78	11573533	11571391	11571330	11571366	5	50







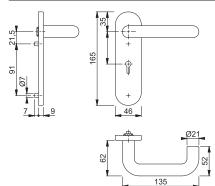
## Paris - K138/353K (AR600)

dura**plus**®

HOPPE nylon handle set on short backplate for interior doors:
• Bearing: loose door handles, maintenance-free slide bearing

- Connection: HOPPE solid profile spindle (receiver receiver components)
- Base: nylon
- Fixing: concealed, multi-purpose screws
  Special feature: door handles with steel cores

Description			,	nole/	F5003	F6016	F7016	F7506	PII	O.C.
Description		i <del>4 →</del> i	Dista	ance	Art. no.	Art. no.	Art. no.	Art. no.	1 .0.	0.0.
Door handle set	30-49	8	T	57	8566409	8566416		8566423	5	50
		8	0	57			87133242		5	50
		8	0	48,5			87134553		5	50
		8	0	48,5	8566563	8566570		8566577	5	50
		8		47,6		8566493	87134546		5	50
		8		47,6	8566486			8566500	5	50
		8		72	11570106	11570052	11570118	11570143	5	50
		8	without				87133235		5	50
		8	without		8566318	8566325		8566332	5	50
Bathroom/WC handle set with red-white-	45-49	8 5		57	8566640	8566647	11569682	8566654	5	50
indicator		8 5		78	11571378	11571317	11571385	11571421	5	50





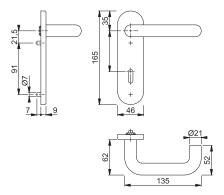
## Paris - K138/353K (AR600)

dura**plus**®

HOPPE nylon handle set on short backplate for interior doors:

- Bearing: loose door handles, maintenance-free slide bearing
- Connection: HOPPE solid profile spindle (receiver receiver components)
- Base: nylon
- Fixing: concealed, multi-purpose screws
- Special feature: door handles with steel cores

Description			Keyhole/	F9016	F9017		P.U.	00
Description		l <del>4 →</del> l	Distance	Art. no.	Art. no.		F.U.	0.0.
Door handle set	30-49	8	57	8566451	8566444		5	50
		8	48,5	8566605	8566598		5	50
		8	47,6	8566528	8566521		5	50
		8	72	11570131	11570064		5	50
		8	without	8566360	8566353		5	50
Bathroom/WC handle set with red-white-	45-49	8 5		8566682	8566675		5	50
indicator		8 5	<b>∂</b> 78	11571408	11571329		5	50





## Paris - K138/15 (AR600)

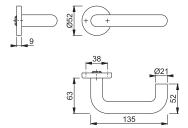
dura**plus**®



HOPPE nylon handle set on rose without escutcheons for interior doors:

- Bearing: loose door handles, maintenance-free slide bearing
- Connection: HOPPE solid profile spindle
- Base: nylon
- Fixing: concealed, multi-purpose screws
- Special feature: door handles with steel inserts

Description		F=-	F1004	F3003	F3005	F5002	DII	O.C.
Description		<b>□</b>	Art. no.	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Door handle set	30-49	8	8568348	585915	574360	568871	1	10
without escutcheon								
Description		F	F5003	F6016	F7016	F7506	DII	O.C.
Description		<del> </del>	Art. no.	Art. no.	Art. no.	Art. no.	r.U.	0.0.
Door handle set	30-49	8	585922	585939	87133193	585953	1	10
without escutcheon								
Description	4	<u> </u>	F9016	F9017			DII	O.C.
Description		I <del>4 →</del> I	Art. no.	Art. no.			JF.U.	0.0.
Door handle set	30-49	8	585946	568864			1	10
without escutcheon								



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.



#### Quick-Fit

#### Ródos - M1603/23K

dura**plus**®

HOPPE brass handle set on rose without escutcheons for interior doors:

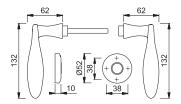
- Tested to **DIN EN 1906: 37-0140A**, handle set for commercial applications
- Bearing: loose door handles, non-handed spring cassettes, maintenance-free slide bearing
- Connection: HOPPE Quick-Fit connection with HOPPE solid spindle (spindle receiver components)
- Base: nylon
- Fixing: concealed, multi-purpose screws







Description		m	Kovbolo	F49-R	F71	F98-R	DII	O.C.
		<b>₩</b>	Keyhole	Art. no.	Art. no.	Art. no.	JF.U.	0.0.
Door handle set	30-56	8		2901347	2901312	2901339	1	10
without escutcheon								



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.

The Resista® guarantee applies to all finishes with the letter **R** in the finish key.



### Ródos - M1603

dura**plus**®



- Connection: HOPPE Quick-Fit connection with HOPPE solid spindle (spindle receiver components)
- Flange: for loose bearing



Description	A L		F49-R	F77-R		DII	O.C.
Description		<b>□</b>	Art. no.	Art. no.		JF.U.	0.0.
Door handle, pair	57-83	8	3057766	3057731		1	10





SG 132

The Resista® guarantee applies to all finishes with the letter  ${\bf R}$  in the finish key.









#### ■ Stockholm - E1140Z/849N

dura**plus**®

**HOPPE Quick-FitPlus** stainless steel handle set on flat rose without escutcheons for interior doors:

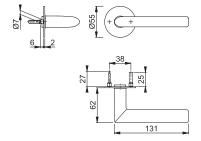
- Tested to **DIN EN 1906: 37-0140U**, handle set for commercial applications
- Bearing: loose door handles, maintenance-free slide bearing
- Connection: HOPPE Quick-Fit connection with HOPPE solid spindle (spindle receiver components)
- Fixing: plug-in handle roses with through-going supporting lugs
- Special feature: non-screw fitting, 2 mm flat roses





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Description	ф	m	F69		DII	O.C.
Description		<del>4  </del>	Art. no.		P.U.	0.0.
Door handle set	35-45	8	3746983		1	10
without escutcheon						



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.



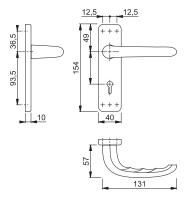
## Strasbourg - 173/267U

dura**plus**®

HOPPE aluminium handle set on short backplate for interior doors:

- Bearing: fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE solid spindle
- Base: steel
- Fixing: concealed, bolt-through, M4 thread screws with sleeve nuts

Description		F	Keyhole/	F1	F3		DII	O.C.
Description		<b>→</b>	Distance	Art. no.	Art. no.		F.U.	0.0.
Door handle set	41-50	8	57	3413521	3413581		2	20
		8	48,5	3413556			2	20
		8	47,6	3413530			2	20
		8	without	3413548			2	20
Bathroom/WC handle set with red-white-indicator	46-50	8 5	57	3413564			2	20







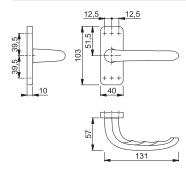
#### Strasbourg - 173/266U

dura**plus**®

HOPPE aluminium handle set on short backplate for interior doors:

- Bearing: fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE solid spindle
- Base: steel
- Fixing: concealed, bolt-through, M4 thread screws with sleeve nuts

Description	dipp	F	Keyhole/	F1		PII	O.C.
Description		<del>-</del> ->	Distance	Art. no.		F.U.	0.0.
Door handle set	41-50	8		3438366		2	40



#### Vitória - M1515/849N

dura**plus**®





HOPPE Quick-FitPlus brass handle set on flat rose without escutcheons for interior doors:

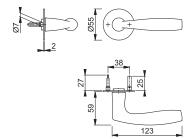
- Tested to **DIN EN 1906: 37-0140U**, handle set for commercial applications
- Bearing: loose door handles, maintenance-free slide bearing
- Connection: **HOPPE Quick-Fit connection** with HOPPE solid spindle (spindle receiver components)
- Fixing: plug-in stainless steel handle roses with through-going supporting lugs
- Special feature: non-screw fitting, 2 mm flat roses







Description		<u> </u>	F42/F69		DII	O.C.
Description		<b>□</b>	Art. no.		F.U.	0.0.
Door handle set	35-45	8	3757341		1	10
without escutcheon						



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.



dura**plus**®



- Base: nylon
- Fixing: concealed, multi-purpose screws

Description			l/outbolo	F1	F3		DII	O.C.
Description		<del> </del>	Keyhole	Art. no.	Art. no.		P.U.	0.0.
Escutcheon, pair			blind	762934	827206		10	50
			0	762804	811045		10	100
			0	1687334			10	50
				762750	812103		10	50
Bathroom/WC escutcheon with red-	55	5			812523		150	150
white-indicator, pair		5		1804422	-		10	100
	44	5		2260631		_	5	20





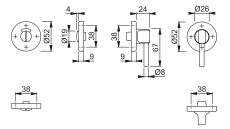
dura**plus**®



HOPPE aluminium escutcheon pair with emergency release/turn and red-white-indicator for bathroom/WC doors:

- Base: nylon
- Fixing: concealed, multi-purpose screws

Description			Keyhole	F1004	F3003	F3005	F5002	P.U.	0.0
Description		<b>□</b>	regriole	Art. no.	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Bathroom/WC	44		8	2260711	2260720	2260738	2260746	5	20
escutcheon with red-		5							
white-indicator, pair									
Description			Keyhole	F5003	F6016	F7016	F7038	P.U.	00
Description		<b>₩</b>	Keyriole	Art. no.	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Bathroom/WC	44		ê	2260754	2260762	3503316	2260771	5	20
escutcheon with red-		5							
white-indicator, pair									
Description	4.7		I/outbala	F9005	F9016			P.U.	00
Description		<del></del>	Keyhole	Art. no.	Art. no.			P.U.	U.U.
Bathroom/WC	44		Î	2260800	2260797			5	20
escutcheon with red-		5							
white-indicator, pair									





## **EX42S (6 mm)**

dura**plus**®



- Base: steel
- Fixing: concealed, multi-purpose screws

316

Description		<b>□</b>	Keyhole	F68	F69		lo.c.
Description		<del> </del>	rteyriole	Art. no.	Art. no.	1 .0.	0.0.
Escutcheon, pair			blind	87104381	87104380	10	200
			0	87100947	87100946	10	200
			0	87100951	87100950	10	200
				87100949	87100948	10	200
Bathroom/WC escutcheon, pair	40-45	5		87104385	87104384	5	100
		5	<b>&amp;</b>	87104391	87104390	5	100
Bathroom/WC escutcheon with red-	40-45	5		87100955	87100954	5	100
white-indicator, pair		5		87100957	87100956	5	100



## **EX42S (8 mm)**

dura**plus**®

HOPPE stainless steel escutcheon pair for interior doors:



• Fixing: concealed, multi-purpose screws

316

Description			L/ov (bolo	F68	F69		DII	O.C.
Description		<del> </del>	Keyhole	Art. no.	Art. no.		P.U.	O.C.
Escutcheon, pair			blind	87104383	87104382		10	200
			0	87100941	87100940		10	200
			0	87100945	87100944		10	200
				87100943	87100942		10	200
Bathroom/WC escutcheon, pair	40-45	5		87104389	87104388		5	100
		5			87104386		5	100
Bathroom/WC escutcheon with red-	40-45	5		87100953	87100952		5	100
white-indicator, pair		5		87100959	87100958		5	100







#### Quick-FitPlus

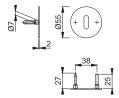
■ E849NS duraplus®

 $\textbf{HOPPE Quick-FitPlus} \ \text{stainless steel flat escutcheon pair for interior doors:} \\$ 

- Fixing: plug-in escutcheons with through-going supporting lugs
- Special feature: non-screw fitting, 2 mm flat roses



Description		F-11	Keyhole	F69		DII	O.C.
Description		-     <del>4 →</del>	Reynole	Art. no.		F.U.	0.0.
Escutcheon, pair	35-45		blind	3758028		5	25
			0	3757990		5	25
				3758001		5	25
Bathroom/WC escutcheon, pair	35-45	5-8		3759119		2	10
Bathroom/WC escutcheon with red-white-indicator, pair	40-45	5-8		11538351		2	10





## K15S (AR600)

dura**plus**®

HOPPE nylon escutcheon pair for interior doors:
• Base: nylon

- Fixing: concealed, multi-purpose screws

Description			Keyhole	F1004	F3003	F3005	F5002	DII	O.C.
Description		<del> </del>	,	Art. no.	Art. no.	Art. no.	Art. no.	P.U.	
Escutcheon, pair			blind	600618	570935	600397	600380	10	50
			0	600434	567041	600427	583966	10	100
			0	623457	798407	623426	623464	10	50
				600441	544394	574353	568901	10	50
Bathroom/WC escutcheon with red- white-indicator, pair	45-49	5		623570	797851	623556	797844	5	20
Description		<b>F</b>	Keyhole	F5003	F6016	F7016	F7506	DII	o.c.
Description				Art. no.	Art. no.	Art. no.	Art. no.		
Escutcheon, pair			blind	600403	600410	3613777	570966	10	50
			0	583973	583980	3414735	570973	10	100
			0	623471	623402	3414891	623488	10	50
				584024	584031	3414719	570980	10	50
Bathroom/WC escutcheon with red- white-indicator, pair	45-49	5		623587	623532	3414911	623594	5	20
Description			Keyhole	F9016	F9017			БП	O.C.
'		<del> </del>	,	Art. no.	Art. no.				
Escutcheon, pair			blind	570959	623372			10	50
			0	567065	584017			10	100
			0	623495	623419			10	50
				522118	568895			10	50
Bathroom/WC escutcheon with red-white-indicator, pair	45-49	5		623600	623549			5	20





M23KS duraplus®

HOPPE brass escutcheon pair for interior doors:

- Base: nylon
- Fixing: concealed, multi-purpose screws



Description	474	В	Keyhole	F49-R	F71	F98-R	DII	O.C.
Description		<b>₩</b>	C	Art. no.	Art. no.	Art. no.	JF.U.	0.0.
Escutcheon, pair					2837592		10	40
			U					
				2837699	2837664		10	40
Bathroom/WC	40-44		$\Theta$	2837832	2837808	2837859	5	20
escutcheon, pair		5-8						



The Resista® guarantee applies to all finishes with the letter **R** in the finish key.











consistenty good value duranorm®



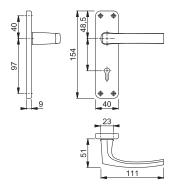
### Dubayy - 1107/267

dura**norm**®

HOPPE aluminium handle set on short backplate for interior doors:

- Bearing: sprung fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE solid spindle
- Fixing: visible, multi-purpose screws

Description			Keyhole/	F1	F249	F271*	P.U.	00
Description		<u> </u>	Distance	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Door handle set	32-50	8	57	3786934	3787048	3787056	25	25
		8	48,5	3836006			25	25
		8	47,6	3802455	3802607	3802834	25	25
Bathroom/WC handle	40	8	⊖ 57	3803132	3803167		25	25
set		5						



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.



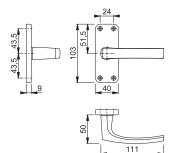
### Dubayy - 1107/266

dura**norm**®

HOPPE aluminium handle set on short backplate for interior doors:

- Bearing: fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE solid spindle
- Fixing: visible, multi-purpose screws

Description		<u> </u>	Keyhole/	F1	F249	F271*	P.U.	00
Description		<del>     </del>	Distance	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Door handle set	32-50	8		3785894	3787021	3787030	25	25



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.



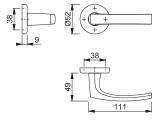


duranorm®

HOPPE aluminium handle set on rose without escutcheons for interior doors:

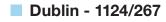
- Bearing: sprung fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE profile spindle
- Base: nylon
- Fixing: concealed, multi-purpose screws

Description		rin.	F249*	F271*		P.U.	00
Description		<b>₩</b>	Art. no.	Art. no.		r.U.	0.0.
Door handle set	30-44	8	3836831	3836840		20	20
without escutcheon							

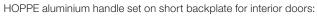


Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.

Subject to availability

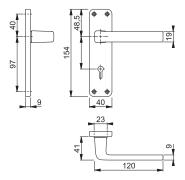


duranorm®



- Bearing: fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE solid spindle
- Fixing: visible, multi-purpose screws

Description	d₩Ы		Keyho	ole/	F1	F249	F271*	DII	O.C.
Description		<b>₩</b>	Distar	nce	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Door handle set	32-50	8		57	3793093	3787291	3787355	25	25
		8	0 4	7,6	3836997	3837033	3837025	25	25
Bathroom/WC handle set	40	8 5		57	3793552	3795339	3793667	25	25



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.





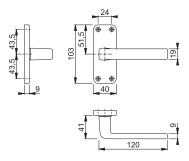
#### **Dublin - 1124/266**

dura**norm**®

HOPPE aluminium handle set on short backplate for interior doors:

- Bearing: fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE solid spindle
- Fixing: visible, multi-purpose screws

Description		<u> </u>	Keyhole/	F1	F249*	F271*	DII	O.C.
Description		<b>□</b>	Distance	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Door handle set	32-50	8		3793077	3787144	3787161	25	25



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.

Subject to availability



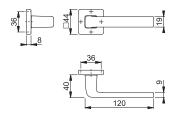
#### Dublin - 1124/24K

duranorm®

HOPPE aluminium handle set on rose without escutcheons for interior doors:

- Bearing: sprung fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE profile spindle (spindle receiver components)
- Base: nylon
- Fixing: concealed, multi-purpose screws

Description		rin.	Keyhole/	F1	F249*	F271*	DII	O.C.
Description		<del>     </del>	Distance	Art. no.	Art. no.	Art. no.	JF.U.	0.0.
Door handle set	37-76	8		3885799	3885781	3885764	20	20
without escutcheon								



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.





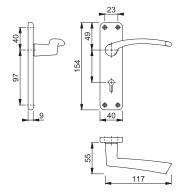
#### lbiza - 1171/267

dura**norm**®

HOPPE aluminium handle set on short backplate for interior doors:

- Bearing: fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE solid spindle
- Fixing: visible, multi-purpose screws

Description			Keyh Dista		F1 Art. no.	F249* Art. no.	F271* Art. no.	P.U.	O.C.
Door handle set	32-50	8	P	57	3798441	3789220	3789238	25	25
Bathroom/WC handle set	40	8 5		57	3798986	3799006	3799014	25	25



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.

Subject to availability



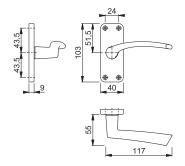
#### Ibiza - 1171/266

dura**norm**®

HOPPE aluminium handle set on short backplate for interior doors:

- Bearing: fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE solid spindle
- Fixing: visible, multi-purpose screws

Description		<u> </u>	Keyhole/	F1	F249*	F271*	DII	O.C.
Description		<del>-</del> ->	Distance	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Door handle set	32-50	8		3798353	3789174	3789191	25	25



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.



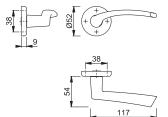
#### Ibiza - 1171/17K

dura**norm**®

HOPPE aluminium handle set on rose without escutcheons for interior doors:

- Bearing: sprung fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE profile spindle
- Base: nylon
- Fixing: concealed, multi-purpose screws

Description		rin.	Keyhole/	F1	F249*	F271*	P.U.	$\cap$
Description		<del>     </del>	Distance	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Door handle set	35-44	8		3230961	3798193	3798185	20	20
without escutcheon								



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.

Subject to availability



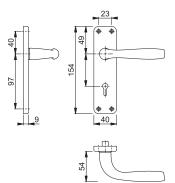
### Maribor - 1766/267

dura**norm**®

HOPPE aluminium handle set on short backplate for interior doors:

- Bearing: fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE solid spindle
- Fixing: visible, multi-purpose screws

Description	47	F	Keyh	ole/	F1	F249*	F271*	P.U.	
Description		<b>□</b>	Dista	nce	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Door handle set	32-47	8	Ω	57	3795654	3787945	3787953	25	25
			U						
Bathroom/WC handle	40	8	$\Theta$	57	3796585	3796593	3796614	25	25
set		5							



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.





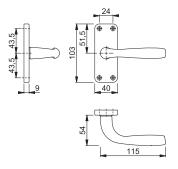
#### Maribor - 1766/266

duranorm®

HOPPE aluminium handle set on short backplate for interior doors:

- Bearing: fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE solid spindle
- Fixing: visible, multi-purpose screws

Description		F	Keyhole/	F1	F249*	F271*	DII	O.C.
Description		<u> </u>	Distance	Art. no.	Art. no.	Art. no.	P.U.	0.0.
Door handle set	32-47	8		3795566	3787380	3787398	25	25



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.

Subject to availability

### Maribor - 1766/17K

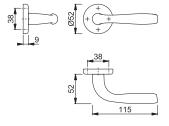
dura**norm**®



HOPPE aluminium handle set on rose without escutcheons for interior doors:

- Bearing: sprung fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE profile spindle (spindle receiver components)
- Base: nylon
- Fixing: concealed, multi-purpose screws

Description		<u> </u>	F1	F249*	F271*	DII	O.C.
Description		<b>₩</b>	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Door handle set	39-60	8	3800572	3800581	3800599	20	20
without escutcheon							



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.



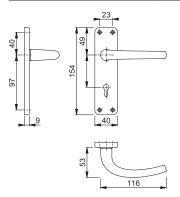
#### Seattle - 168L/267

dura**norm**®

HOPPE aluminium handle set on short backplate for interior doors:

- Bearing: fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE solid spindle
- Fixing: visible, multi-purpose screws

Description	474	<u> </u>	Keyh	iole/	F249*	F271*		P.U.	00
Description		<u> </u>	Dista	ınce	Art. no.	Art. no.		F.U.	0.0.
Door handle set	32-47	8	P	57	3786993	3787005		25	25
Bathroom/WC handle set	40	8 5		57	3797625	3797633		25	25



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.

Subject to availability



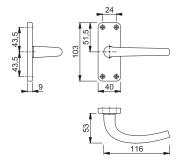
#### Seattle - 168L/266

dura**norm**®

HOPPE aluminium handle set on short backplate for interior doors:

- Bearing: fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE solid spindle
- Fixing: visible, multi-purpose screws

Description	d → b	F	Keyhole/	F249*	F271*		DII	O.C.
Description		<b>□</b>	Distance	Art. no.	Art. no.		1 .0.	0.0.
Door handle set	32-47	8		3786942	3786969		25	25



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.





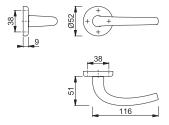
duranorm®



HOPPE aluminium handle set on rose without escutcheons for interior doors:

- Bearing: sprung fixed/movable door handles, maintenance-free slide bearing
- Connection: HOPPE profile spindle
- Base: nylon
- Fixing: concealed, multi-purpose screws

Description	П	<u> </u>	Keyhole/	F1	F249*	F271*	P.U.	00
Description		<b>₩</b>	Distance	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Door handle set	34-55	8		3799081	3799145	3794029	20	20
without escutcheon								

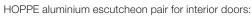


Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.

Subject to availability



dura**norm**®



- Base: nylon
- Fixing: concealed, multi-purpose screws

Description		<del></del>	Keyhole	F1	F249*	F271*	P.U.	
Description		<b>□</b>	Reynole	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Escutcheon, pair			0	3481479	3848111	3848162	50	50
				3481428	3848082	3848154	50	50
Bathroom/WC escutcheon, pair	39-48	5-8			3848808	3848816	30	30
	40	5-8		3821470			30	30



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.



**24KS** dura**norm**®

HOPPE aluminium escutcheon pair for interior doors:

- Base: nylon
- Fixing: concealed, multi-purpose screws

Description	404		Kovbolo	F1	F249*	F271*	P.U.	0.0
Description		<del> </del>	Keyhole	Art. no.	Art. no.	Art. no.	JF.U.	0.0.
Escutcheon, pair			0	3885650	3885641	3885633	50	50
				3885625	3885617	3885609	50	50
Bathroom/WC escutcheon, pair	39-48	5-8			3885991	3885983	30	30
	40	5-8	<b>D</b>	3886071			30	30







# Overview pocket door sets



# The dura**plus**® product line

more than usual







**M464** page 104



**M471** page 105





**M472** page 105



# Pocket door sets







## Pocket door sets

## M443 (Set 2)

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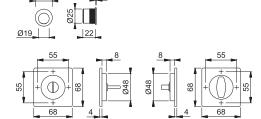


HOPPE brass pocket door set 2 with emergency release/turn:

- Connection: HOPPE telescopic spindle
- Base: nylon
- Fixing: concealed, recessed pulls with multi-purpose screws, finger pull for front of door with silicone or adhesive



Description			Keyhole/	F84-1-R	F84-R	F96-1-R	F96-R	P.U.	
Description			Distance	Art. no.	Art. no.	Art. no.	Art. no.	r.U. (	0.0.
Pocket door set 2	33-48		$\Theta$	11734358	11734310	11734346	11734309	1	10
Pocket door set 5	min.		without	11733524	11733494	11733536	11733482	1	10
	33								



The Resista® guarantee applies to all finishes with the letter **R** in the finish key.



## M464 (Set 5)

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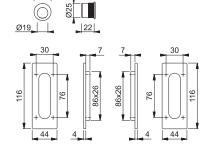
- Base: nylon
- Fixing: concealed, recessed pulls with multi-purpose screws, finger pull for front of door with silicone or adhesive







Description		,	hole/ ance	F84-1-R Art. no.	F84-R Art. no.	F96-1-R Art. no.	F96-R Art. no.	P.U.	O.C.
Pocket door set 5	min. 33	withou	t	11733245	11733202	11733238	11733196	1	10
Pocket door set 7	33-48		22,5	11733415	11733287	11733408	11733275	1	10



The Resista® guarantee applies to all finishes with the letter **R** in the finish key.





### M471 (Set 2)

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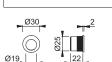
HOPPE brass pocket door set 2 with emergency release/turn:

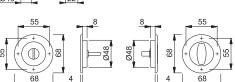
- Connection: HOPPE telescopic spindle
- Base: nylon

• Fixing: concealed, recessed pulls with multi-purpose screws, finger pull for front of door with silicone or adhesive



Description		Keyhole/	F84-1-R	F84-R	F96-1-R	F96-R	P.U.	
		Distance	Art. no.	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Pocket door set 2	33-48		11732994	11739113	11732982	11739101	1	10
Pocket door set 5	min.	without	11733020	11739150	11733019	11739149	1	10
	33							





The Resista® guarantee applies to all finishes with the letter **R** in the finish key.



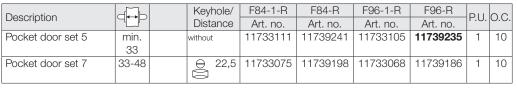
## M472 (Set 5)

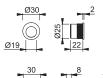
dura**plus**®



• Fixing: concealed, recessed pulls and finger pull for front of door with silicone or adhesive







The Resista® guarantee applies to all finishes with the letter **R** in the finish key.



900000000000000000000000000000000000000	86x26 \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	86x26	30
<del>  ←                                   </del>			







# Overview pull handles



# The dura**plus**® product line

more than usual



**K5030, K5030-3** page 112



# Pull handles







more than usual duraplus®

K5030

# K5030-3

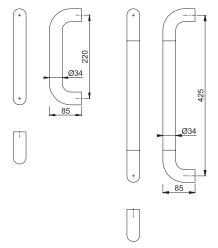
# ■ K5030, K5030-3 (AR602 - Back to Back fixing)

 $\text{dura} \textbf{plus}^{\text{\tiny{\$}}}$ 

HOPPE nylon straight pull handle pair:

- Fixing: concealed, pull handle fixing system no. S-1 M12
- Special feature: end-to-end steel core

Description	Ø	dip-	Distance -	F1004	F3003	F3005	F5002	DII	O.C.
Description	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		Distance	Art. no.	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Straight pull handle, pair	34	40-50	220	8550631	11566097		8550645	1	5
			300	8550862	8550869	8550841	8550876	1	5
Straight pull handle (K5030-3), pair	34	40-50	425	87109338	87109335	87109328	87109329	1	5
			600	87109371	11508413	87109361	87109362	1	5
Description	Ø	d d	Distance	F5003	F6016	F7016	F7506	DII	O.C.
Description			Distance	Art. no.	Art. no.	Art. no.	Art. no.	JF.U.	0.0.
Straight pull handle, pair	34	40-50	220	8550652	8550596	87133096	8550659	1	5
			300	8550883	8550827	87133103	8550890	1	5
Straight pull handle (K5030-3), pair	34	40-50	425	87109334	87109337	87133159	87109330	1	5
			600	87109367	87109370	87133179		1	5
Description	Ø		Distance	F9016	F9017			P.U.	00
Description			Distance	Art. no.	Art. no.			P.U.	O.C.
Straight pull handle, pair	34	40-50	220	8550666	8550603			1	5
			300	8550897	8550834			1	5
Straight pull handle (K5030-3), pair	34	40-50	425	87109331	87109332			1	5
			600	87109364	87109365			1	5



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.



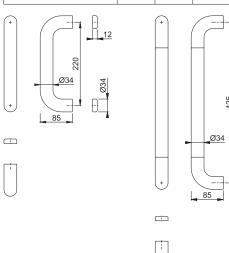
# K5030, K5030-3 (AR602 - Bolt fixing)

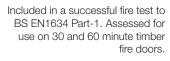
dura**plus**®



- Fixing: concealed, pull handle fixing system no. S-4 M12
- Special feature: end-to-end steel core

Description	Ø		Distance	F1004	F3003	F3005	F5002	БП	O.C.
Description	V		Distance	Art. no.	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Straight pull handle, piece	34	40-50	220	8550785	8550792	8550764	8550799	1	5
			300	8551016	8551023	8550995	8551030	1	5
Straight pull handle (K5030-3), piece	34	40-50	425	87109316	87109313	87109306	87109307	1	5
			600	87109349	87109346	87109339	87109340	1	5
Description	α		Distance.	F5003	F6016	F7016	F7506	DII	O.C.
Description	Ø		Distance	Art. no.	Art. no.	Art. no.	Art. no.	P.U.	0.0.
Straight pull handle , piece	34	40-50	220	8550806	8550750	11500773	8550813	1	5
			300	8551037	8550981	87133124	8551044	1	5
Straight pull handle (K5030-3), piece	34	40-50	425	87109312	87109315	87133152	87109308	1	5
			600	87109345	87109348	87133166	87109341	1	5
<b>6</b>	~		D: -	F9016	F9017			D	0.0
Description	Ø		Distance	Art. no.	Art. no.			P.U.	O.C.
Straight pull handle, piece	34	40-50	220	8550820	8550757			1	5
			300	8551051	8550988			1	5
Straight pull handle (K5030-3), piece	34	40-50	425	87109309	87109310			1	5
(10000-0), piece			600	87109342	87109343			1	5







K5030



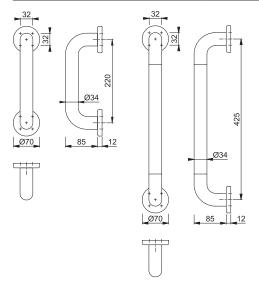
# **■** K5030, K5030-3 (AR602 - Concealed fixing)

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HOPPE nylon straight pull handle pair:

- Fixing: concealed, pull handle fixing system no. S-2 M12
- Special feature: end-to-end steel core

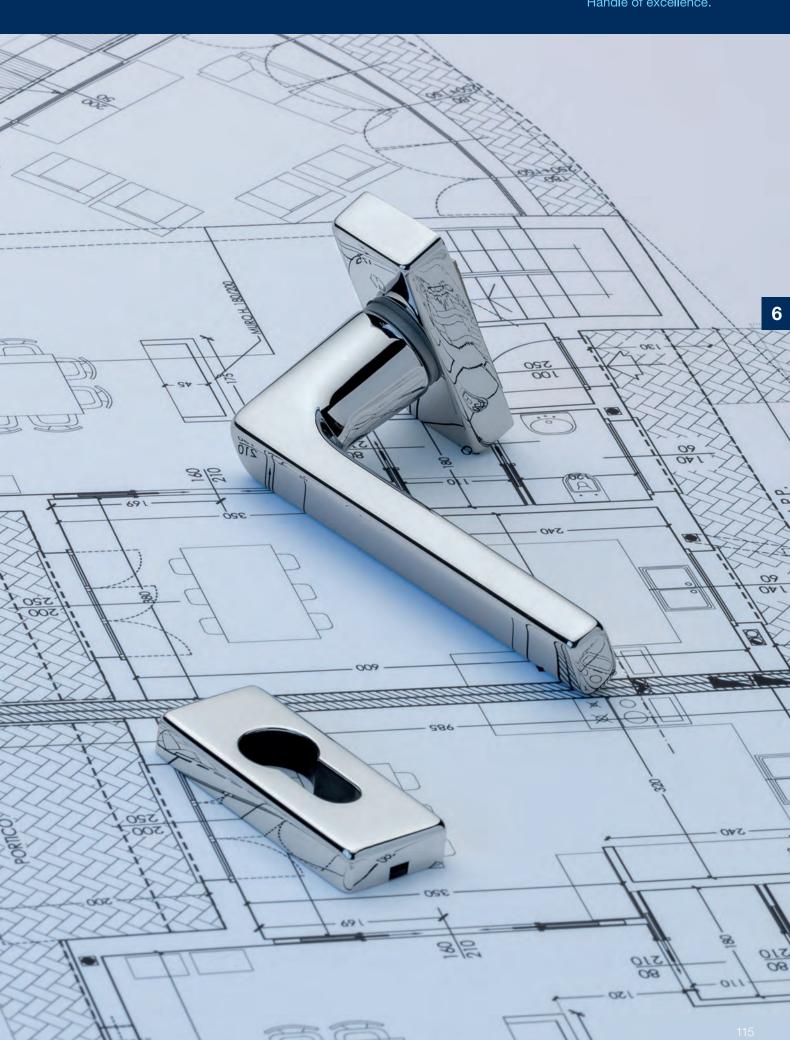
Description	Ø		Distance	F1004	F3003	F3005	F5002	DII	O.C.
Description	V	707	Distance	Art. no.	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Straight pull handle, piece	34		220	8550708	8550715	8550687	8550722	1	5
			300	8550939	8550946	8550918	8550953	1	5
Straight pull handle (K5030-3), pair	34		425	87109327	87109324	87109317	87109318	1	5
			600	87109360	87109357	87109350	87109351	1	5
Description	Ø		Distance	F5003	F6016	F7016	F7506	P.U.	00
Description	0		Distance	Art. no.	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Straight pull handle, piece	34		220	8550729	8550673	87133117	8550736	1	5
			300	8550960	8550904	87133110	8550967	1	5
Straight pull handle (K5030-3), pair	34		425	87109323	87109326	87133145	87109319	1	5
			600	87109356	87109359	87133172	87109352	1	5
Description	Ø		Distance	F9016	F9017			P.U.	
'		745		Art. no.	Art. no.				
Straight pull handle, piece	34		220	8550743	8550680			1	5
			300	8550974	8550911			1	5
Straight pull handle (K5030-3), pair	34		425	87109320	87109321			1	5
			600	87109353	87109354			1	5



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors.

# Profile door handles





# Overview profile door handles

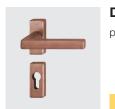


# The dura**plus**® product line

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# Profile door handles







# Profile door handles







## Amsterdam - E1400Z/30P/30PS

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HOPPE stainless steel handle set on rose with escutcheons for profile doors:

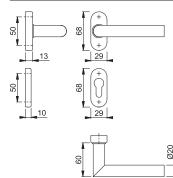
- Tested to **DIN EN 1906: 37-0140A**, handle set for commercial applications
- Bearing: loose door handles, non-handed spring cassettes, maintenance-free slide bearing
- Connection: **HOPPE Quick-Fit connection** with HOPPE solid spindle (receiver receiver components)
- Base: nylon
- Fixing: concealed, multi-purpose screws







Description		F	Keyhole	F84-1-R		DII	O.C.
Description		-	Reynole	Art. no.		JF.U.	0.0.
Door handle set	65-75	8/8,5	$\bigcirc$	11720384		1	10



The Resista® guarantee applies to all finishes with the letter **R** in the finish key.







Quick-Fit

## Dallas - M1643/844P/844PS

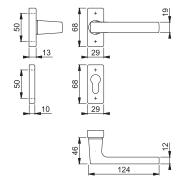
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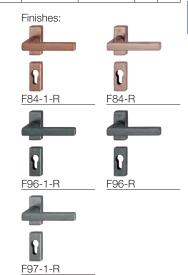
HOPPE brass handle set on rose with escutcheons for profile doors:

- Bearing: loose door handles, maintenance-free slide bearing
- Connection: **HOPPE Quick-Fit connection** with HOPPE solid spindle (receiver receiver components)
- Base: nylon
- Fixing: concealed, multi-purpose screws



Description			Keyhole	F84-1-R	F84-R	F96-1-R	F96-R	P.U.	00
Description		<del> </del>	Reynole	Art. no.	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Door handle set	62-74	8/8,5		11725539	11725527	11725515	11725503	1	4
			U						
Description	<b>П</b>		Keyhole	F97-1-R				חח	O.C.
Description		<del></del>	Reynole	Art. no.				JF.U.	0.0.
Door handle set	62-74	8/8,5	0	11725473				1	4
			ΙU						





The Resista® guarantee applies to all finishes with the letter  ${\bf R}$  in the finish key.



# Profile door handles







## Los Angeles - M1642/30P/30PS

dura**plus**®

HOPPE brass handle set on rose with escutcheons for profile doors:

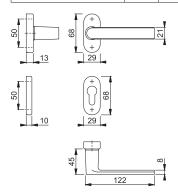
- Tested to **DIN EN 1906: 37-0140U**, handle set for commercial applications
- Bearing: loose door handles, maintenance-free slide bearing
- Connection: **HOPPE Quick-Fit connection** with HOPPE solid spindle (receiver receiver components)
- Base: nylon
- Fixing: concealed, multi-purpose screws







Description			Keyhole	F84-1-R	F84-R	F96-1-R	F96-R	P.U.	00
Description		<del>                                   </del>	Reynole	Art. no.	Art. no.	Art. no.	Art. no.	JF.U.	0.0.
Door handle set	62-74	8/8,5		11726696	11726684	11726672	11726660	1	4
			U						
Description			Keyhole	F97-R				P.U.	00
Description		<del>  ↓  </del>	Reynole	Art. no.				JF.U.	0.0.
Door handle set	62-74	8/8,5		11726605				1	4





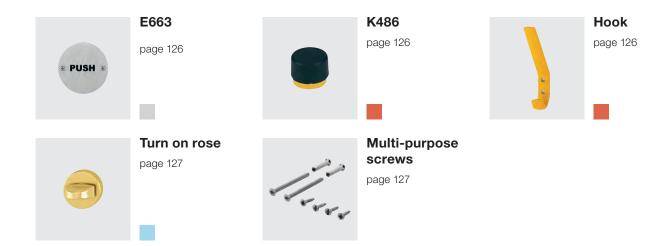
The Resista® guarantee applies to all finishes with the letter **R** in the finish key.



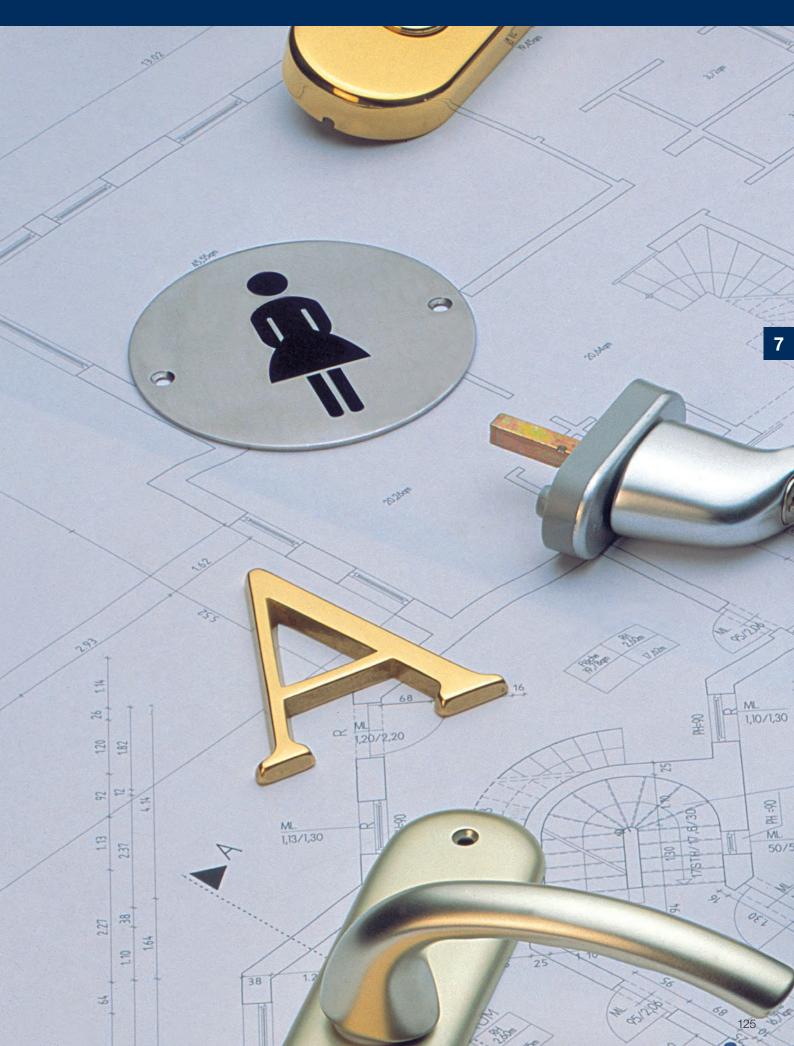




# Overview accessories







# Accessories



## **E663**

HOPPE stainless steel information sign:

- with lettering
- Fixing: visible, multi-purpose screws

Description	Pictogra	F68	F69		DII	O.C.
Description	Fictogra	Art. no.	Art. no.		ا <sup>۲.</sup> 0.	0.0.
"Push" sign, piece	PUSH	606085			10	100
	PUSH	1	605200		0	0
"Pull" sign, piece	PULL		605217		0	0
	PULL	. 606467			10	100



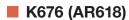


HOPPE nylon floor fix door stop:

- With attached rubber buffer
- Fixing: concealed, multi-purpose screw and plastic dowel

Description		F1004	F3003	F3005	F5002	P.U.	00
Description		Art. no.	Art. no.	Art. no.	Art. no.	JF.U.	0.0.
Floor fix door stop,		538515	566150	624546	538522	5	25
piece							
Description		F5003	F6016	F7016	F7506	P.U.	
Description		Art. no.	Art. no.	Art. no.	Art. no.	JF.U.	0.0.
Floor fix door stop,		538539	538546	3414874	584055	5	25
piece							
Description		F9016	F9017			P.U.	00
Description		Art. no.	Art. no.			]F.U.	0.0.
Floor fix door stop,		566174	584062			5	25
piece							





HOPPE nylon coat hook:

• Fixing: visible, multi-purpose screws

Description			F1004	F3003	F3005	F5002	DII	O.C.
Description			Art. no.	Art. no.	Art. no.	Art. no.	F.U.	0.0.
Coat hook, piece			624416	537570	537587	624423	5	30
Description			F5003	F6016	F7016	F7506	P.U.	0.0
Description		Art. no.	Art. no.	Art. no.	Art. no.	P.U.	0.0.	
Coat hook, piece			624430	624409	3414882	584277	5	30
Description			F9016	F9017			DII	0.0
Description			Art. no.	Art. no.			P.U.	0.0.
Coat hook, piece			566242	584291			5	30
· ·								







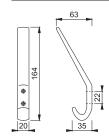


## K690 (AR617A)

HOPPE nylon coat hook:

• Fixing: visible, multi-purpose screws

Description	Description	F1004	F3003	F3005	F5002	DII	O.C.
Description		Art. no.	Art. no.	Art. no.	Art. no.	P.U.	0.0.
Coat hook, piece		622535	537655	537662	622542	5	30
Description		F5003	F6016	F7016	F7506	DII	O.C.
Description		Art. no.	Art. no.	Art. no.	Art. no.	P.U.	0.0.
Coat hook, piece		622559	622528	3413943	584390	5	30
Description		F9016	F9017			DII	O.C.
Description		Art. no.	Art. no.			P.U.	0.0.
Coat hook, piece		566228	584406			5	30



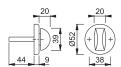


## OL92/42KS

HOPPE aluminium turn on rose for door safety catches on entrance doors (interior

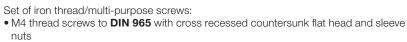
- Bearing: fixed/movable turn
- Connection: HOPPE solid spindle (spindle-component)
- Base: nylon
- Fixing: concealed, multi-purpose screws

Description		F3	F9010		DII	O.C.	
	HOLL		Art. no.	Art. no.		F.U.	0.0.
Turn on rose for door			832781	812899		5	30
safety catches, piece							

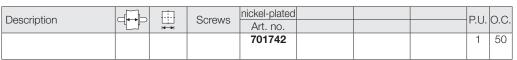








• multi-purpose screws with cross recessed countersunk flat head

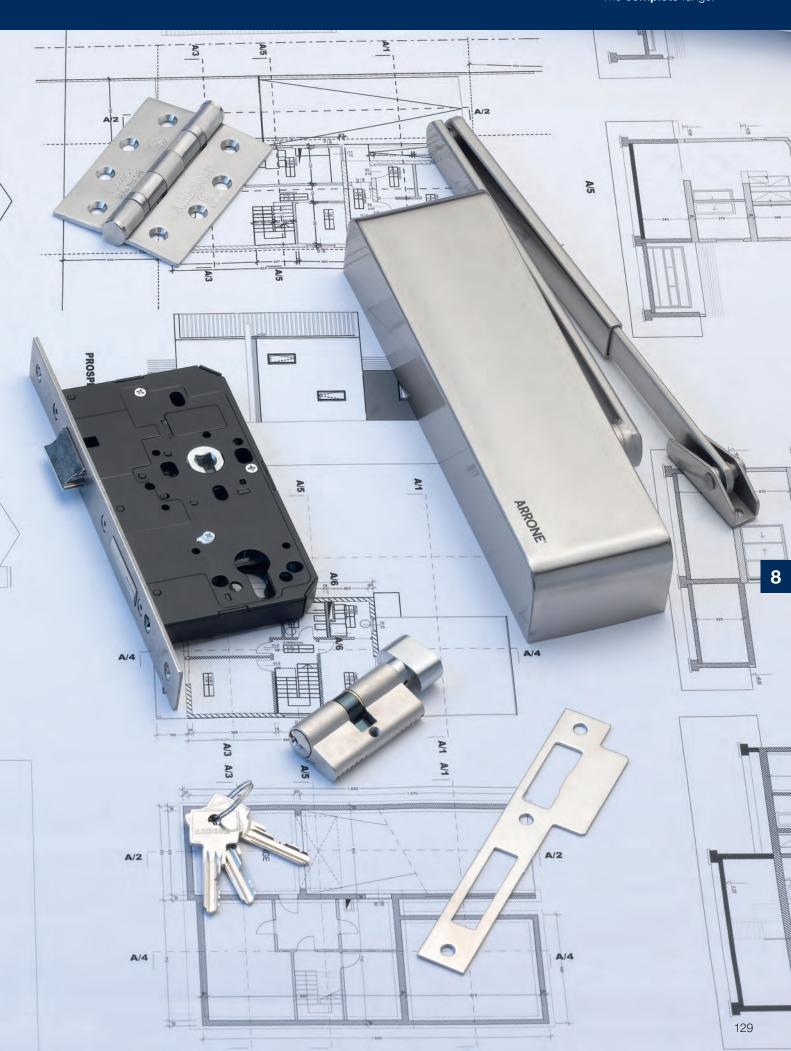






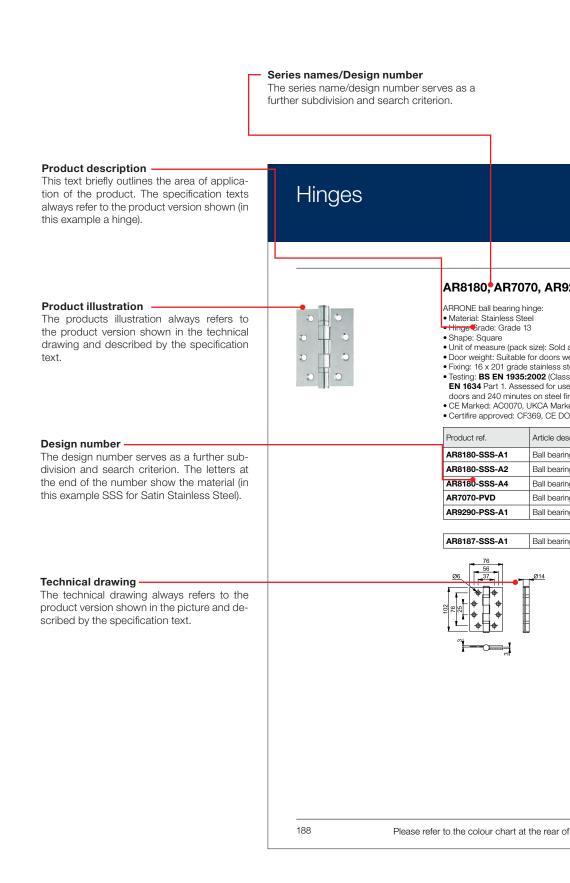
# General information



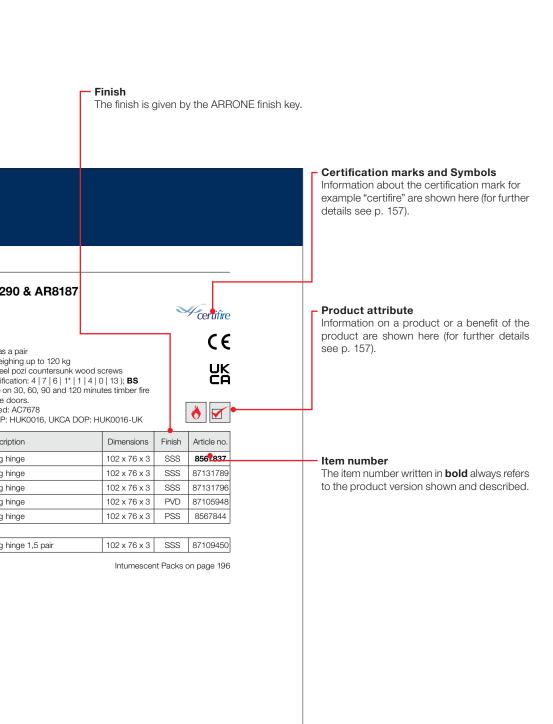


## How are the tables set out?

Explanation using the example of a page with a hinge:







the catalogue for the complete range of available finishes.

131



## ARRONE – developing and enhancing the product range

Under the ARRONE brand name, HOPPE Group is able to offer a comprehensive range of architectural quality door and window hardware along with accessories. Many products are manufactured exclusively by leading hardware manufacturers throughout the world. Within this extensive range are door closing devices, panic and emergency exit devices, hinges, rim and mortice locks, door and pull handles, access control, signage and accessories.

ARRONE products are designed and manufactured to complement the HOPPE range of aluminium, brass, stainless steel and nylon door and window hardware. Launched in 1993 the ARRONE product range is now firmly recognised and established within the market place. However, ever growing demands for additional feature benefits and product enhancements coupled with changes in legislation has in turn led to extensive product developments and additions throughout the various ranges.

Many of the products in the range are extensively tested and certified to the very latest British and European standards where applicable and certified in line with national regulations.

The extensive range covers the following product categories:

#### **Hinges**

Our ARRONE range of hinges are available for specification on a variation of public, commercial and residential building applications and offers a choice of bearing types, materials, sizes and finishes. Our hinges are tested to the very highest levels of performance in accordance with BS EN 1935, fire tested and CE marked / CERTIFIRE approved in accordance with the very latest European standards and offer complimentary solutions for the customer.

#### **Door closing devices**

ARRONE door closing devices are designed and built to last and perform. They are manufactured and tested to satisfy the very latest in performance and fire standards. The range features surface mounted overhead, concealed overhead door closers and floor springs.

## **Locks and latches**

Most doors within a building require a method of either locking or latching after every closing cycle. The ARRONE range of rim and mortice locks and latches gives a wide variation of locking and latching functions for public, commercial and internal residential building door sets. Available in a DIN standard or UK standard offering, our lock and latch ranges have been tested to the requirements of BS EN 12209, CE marked and CERTIFIRE approved where applicable for use on the heaviest or lightest of duty doors.



## **Cylinders**

Our ARRONE range of cylinders offers wide options for most door types and locking functions, and with the variations on security levels from zero to high security levels. We offer in-house cylinder building, key cutting and master keying within our dedicated cylinder centre, located at our HOPPE UK premises and can cater for most building locking or security specifications.

## Panic and emergency exit hardware

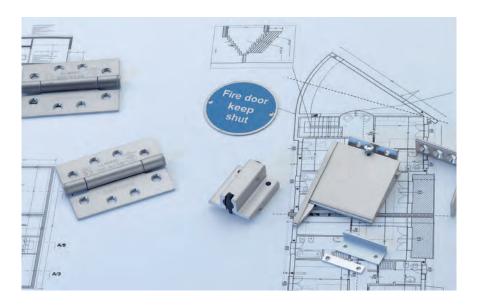
Panic and emergency exits in public and commercial buildings have a critical role to play in assisting people in exiting a building quickly and safely. The ARRONE range of panic and emergency exit devices gives options of exit device, external access device, fixing options for wider/taller doors, finishes for various applications. All of our panic and emergency exit devices are continuously tested to the requirements of BS EN 1125 (panic exit devices), BS EN 179 (emergency exit devices), are CE marked and CERTIFIRE approved making it a safe choice for specifiers.

## **Architectural accessories and signs**

From letter plates and coat hooks, to door stops and flush pulls, we have an accessory in the right finish for most applications.

#### **Pull Handles**

The ARRONE range of pull handles contains a variation of designs, materials and finishes from the standard D shape to entrance pull handles, from bolt fix to back to back and in Stainless Steel, Aluminium, Nylon and PVD Brass materials. Also, with varying lengths and diameters it ensures that there is a pull handle for most requirements.



## Standards and certification

## **BS EN1935 Single Axis Hinges**

This European standard specifies requirements for single-axis hinges for windows and doors opening in one direction only, whose rotation axis is no more than 30 mm from the face of the sash or door. It covers both fixed pin and lift-off hinges, and contains additional requirements for hinges intended for use on fire doors.

BS EN 1935:2002 classifies door furniture by using an 8-digit coding system. Each digit refers to a particular feature of the product measured against the standard's performance requirements.

## 1

## Digit 1 - Category of use

Four categories of use are identified:

- grade 1: light duty

- grade 2: medium duty

- grade 3: heavy duty

- grade 4: severe duty



## Digit 2 - Durability

Three grades are identified for single-axis hinges manufactured to this European standard:

- grade 3: 10,000 test cycles, for light duty hinges on windows only
- grade 4: 25,000 test cycles, for light duty hinges on windows and doors
- grade 7: 200,000 test cycles, for medium, heavy and severe duty hinges on doors only hinges on doors only



#### Digit 3 - Test door mass

Eight door mass grades related to single-axis hinges are identified in this European standard as shown in table below.

Test door mass grade	Door mass
0	10 kg
1	20 kg
2	40 kg
3	60 kg
4	80 kg
5	100 kg
6	120 kg
7	160 kg



## Digit 4 - Suitability for fire/smoke door use

Two grades of suitability are identified for single-axis hinges:

- grade 0: not suitable for fire/smoke resistant door assemblies
- grade 1: suitable for fire/smoke resistant door assemblies subject to satisfactory assessment of the contribution of the single axis hinge to the fire resistance of the specified fire/smoke door assemblies in accordance with the requirements of BS EN 1634-1



# Digit 5 - Safety

Single-axis hinges are required to satisfy the essential requirements of safety in use. Therefore, only grade 1 is identified.

## Digit 6 – Corrosion resistance

Five grades of corrosion resistance are identified in accordance with BS EN 1670

- grade 0: no defined corrosion resistance
- grade 1: mild resistance
- grade 2: moderate resistance
- grade 3: high resistance
- grade 4: very high resistance

# Digit 7 – Security

Two grades of security are identified for single-axis hinges:

- grade 0: not suitable for use on burglar-resistant door assemblies
- grade 1: suitable for applications requiring a degree of security.
   Annex C of this European standard details the hinge grade to use for the level of security required.

## Digit 8 – Hinge grade

Fourteen grades are identified in this European standard and are detailed in the table below. The full classification is shown in the standard.

Hinge Grade	e Grade Usage Text		Door Mass
1	Window	10,000	10 kg
2	Window	10,000	20 kg
3	Window/Door	25,000	20 kg
4	Door	200,000	20 kg
5	Window	10,000	40 kg
6	Window/Door	25,000	40 kg
7	Door	200,000	40 kg
8	Window	10,000	60 kg
9	Window/Door	25,000	60 kg
10	Door	200,000	60 kg
11	Door	200,000	80 kg
12	Door	200,000	100 kg
13	Door	200,000	120 kg
14	Door	200,000	160 kg

## BS8300: Part 2 and Approved Document M

Single axis hinges should conform to BSEN 1935. Where it is important to minimize resistance to door opening and closing, hinges with low friction bearings should be selected to carry the appropriate mass of the door.

## **Technical considerations**

Normally, three hinges are fitted to each door. Their positions are determined by the weight of door and its resistance to warping or whipping.

Adjusted door weight calculation table				
	Doors of excess width, please side loading calculation table			
Actual door weight	Door closer	+ 20%	Actual	
	Door closer (backcheck)	+ 75%	door weight	
	Extra heavy use	+ 10%	weign	
	Light use	+ 10%		

## Hinges for use with doors of excess widths

Wider doors obviously increase the pressure and bending moment exerted on the hinge. This must be allowed for by reduction in the maximum mass of the door leaf supported by each grade of hinge.

The factors by which the door mass has to be adjusted for excessive widths of door are calculated by dividing the door height by its width. For a factor of 2 or greater, no allowance has to be made. When the factor is less than 2, the door mass has to be increased by the value required to bring the factor to 2 expressed as a percentage. These percentages are shown in the side loading calculations table shown below.

Side loading calculations					
Doo	r size	Factor	Normal increase of		
Door height	Door width	ractor	mass of door leaf %		
2000mm	1000mm	2	0		
2000mm	1050mm	1.9	10		
2000mm	1100mm	1.82	18		
2000mm	1150mm	1.74	26		
2000mm	1200mm	1.66	33		
2000mm	1250mm	1.6	40		

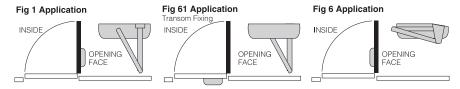
# **Door Closing Devices**



This Standard specifies requirements for controlled door closing devices for swing doors, mounted on or in the frame, on or in the door, or in the floor.

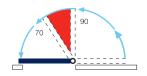
The scope is limited to manually operated door closing devices where the energy for closing is generated by opening of a door and that energy is then used by the device through its moving parts to assist in returning the door to its fully closed position in a controlled manner.

## **Applications**



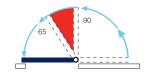
## **Backcheck**

Backcheck offers resistance to opening between 70° and 90° when the door is opened with excessive force. Useful in all situations. Helps prevent damage to building and door frames, particularly where opening is restricted. **Note:** Backcheck is not a substitute for door stops which should be fitted wherever possible.



## **Delayed action**

Delayed action slows down the closing speed of the door between approx. 90° and 65°. The amount of delay can be adjusted and de-activated altogether. Ideally suited for applications, such as care homes, where people need a greater length of time to exit doorways.



#### Controlled closing

All ARRONE door closers have an adjustment valve which allows the closing speed to be controlled. This is effective throughout the whole closing cycle except where delayed action or latch action are activated.



#### Latch action

Latch action provides for the adjustment of the last 10° (approx.) of the closing cycle. This allows the closer to be adjusted to overcome a latch or intumescent seal.



#### Slide arm application

Can be used where it is undesirable to have a projecting arm. Consists of a single arm connected to a channel mounted above the door (not suitable for doors with projecting architraves).

## **Drop plate**

Allows a door closer to be fitted where the top rail of the door is too narrow to allow normal fitting. The drop plate is first attached to the door and then the closer attached to the drop plate.

# Door Closing Devices

## Standards and certification

# BS EN1154 – the European standard for the performance of controlled door closing devices.

Providing details on product types, classification by use, test cycles, door mass, corrosion resistance, as well as definitions, product performance requirements, test apparatus, test methods and marking of products.

BS EN1154:1997 classifies door closers by using a 6 digit coding system.

## Digit 1 – Category of use

Two categories are defined.

- grade 3: for closing doors from at least 105° open
- grade 4: for closing doors from at least 180° open

## Digit 2 – Number of test cycles

Only one category is identified.

- grade 8: 500,000 cycles

3

## Digit 3 - Test door mass/size

Seven test door mass grades and related door closer power sizes are identified according to table 1 of this standard. Where a door closer provides a range of power sizes both the minimum and the maximum sizes shall be identified.

Door Closer Power Size	r Closer Power Size Recommended Door Leaf Width max. mm kg	
1	<750	20
2	850	40
3	950	60
4	1100	80
5	1250	100
6	1400	120
7	1600	160

#### Digit 4 – Fire behaviour

Two categories are defined.

- grade 0: not suitable for use on fire/smoke door assemblies
- grade 1: suitable for use on fire/smoke door assemblies, subject to satisfactory testing and assessment in accordance with the requirements of BS EN 1634-1

# 5 Digit 5 – Safety

All door closers are required to satisfy the essential requirements of safety in use. Therefore only grade 1 is identified.

#### Digit 6 - Corrosion resistance

Five categories are defined in accordance with BS EN 1670

- grade 0: no defined resistance
- grade 1: mild resistance
- grade 2: moderate resistance
- grade 3: high resistance
- grade 4: very high resistance

# Electrically Powered Hold-Open Devices



#### Standards and certification

#### BS EN 1155 - Electrically Powered Hold-Open Devices.

This European standard specifies requirements for separate hold-open devices and also for hold-open mechanisms incorporated in a door closer. Electrically powered hold-open devices for swing doors manufactured according to this European standard can hold a swing door at a fixed position or can allow the door to swing freely. In each case interruption of the electrical supply will cause the controlled door to close positively.

## Digit 1 – Category of use

Only one category of use is identified for electrically powered holdopen devices:

- grade 3: for doors for use by the public, and others, with little incentive to take care, i.e. where there is some chance of misuse of the door

## Digit 2 - Number of test cycles

Two test durations are identified for devices manufactured to this European standard:

- grade 5: 50 000 test cycles, for all electrically powered hold-open devices
- grade 8: 500 000 test cycles, for all electrically powered hold-open and free-swing door closers and devices that contain operating arms

## Digit 3 - Test door mass/size

3

Five door mass grades and related hold-open power sizes are identified according to Table 1 of this European standard.

Door Closer Power Size	Recommended Door Leaf Width max. mm kg	Test Door Mass (kg)
3	950	60
4	1100	80
5	1250	100
6	1400	120
7	1600	160

#### Digit 4 - Fire resistance

Only one grade of fire resistance is identified for electrically powered hold-open devices manufactured to this European standard:

 grade 1: suitable for use on fire/smoke door assemblies subject to satisfactory assessment of the contribution of the electrically powered hold-open device to the fire resistance of specified fire/ smoke door assemblies in accordance with the requirements of BS EN 1634-1

## Digit 5 - Safety

Electrically powered hold-open devices are required to satisfy the Essential Requirement of safety in use. Therefore only grade 1 is identified

# Electrically Powered Hold-Open Devices

# 6

## Digit 6 - Corrosion resistance

Five grades of corrosion resistance are identified in accordance with BS EN 1670

- grade 0: no defined corrosion resistance
- grade 1: mild resistance
- grade 2: moderate resistance
- grade 3: high resistance
- grade 4: very high resistance

#### Fire doors - door controls

If placed on the market after 1 July 2013, the door closing device and its accessories:

- Must be CE Marked to BS EN 1154 Building hardware Controlled door closing devices, including annex A.
- And preferably, should be provided with additional product certification by an approved third party certification body.

The product and any accessories must have demonstrated their suitability for the intended purpose, by inclusion in satisfactory fire tests to BS EN 1634-1 or BS EN 1634-2, on a type of door and configuration in which will be used. This evidence should be provided by an approved third party certification or testing body.

Source: Door Hardware Federation, Guild of Architectural Ironmongers Fire Door Hardware Code of Practice

## BS8300: Part 2 and Approved Document "M"

For many people to have independent access through single or double swing doors, the opening force, when measured at the leading edge of the door, should be not more than 30N from  $0^{\circ}$  (door in closed position) to  $30^{\circ}$ , and not more than 22.5N from  $30^{\circ}$  to  $60^{\circ}$  of the opening cycle.

The choice of controlled door closing devices should take account of the efficiency of the closer, as well as the resistances from edge seals, hinge friction, latch resistance and differential air pressure.

A controlled door closing device, with or without backcheck, should allow the door to open sufficiently to provide the required effective clear opening width of the door.

# Door Co-ordinator Devices



## Standards and certification

#### BS EN 1158 - Door co-ordinator devices.

This European standard specifies requirements for both separately mounted devices and mechanisms incorporated in door closers. There are additional requirements for devices for use on fire/smoke door assemblies.

## Digit 1 – Category of use

Only one category is identified:

- grade 3: for all internal and external doors for use by the public, and others, with little incentive to take care, i.e. where there is some chance of misuse of the door

# Digit 2 – Number of test cycles

Two test durations are identified:

- grade 5: 50 000 test cycles, for all other door coordinator devices
- grade 8: 500 000 test cycles, for door coordinator devices incorporated in, or for use in conjunction with, automatic swing door operators, and for devices incorporated in a door closer

## Digit 3 - Test door mass/size

3

Five door mass grades and related coordinator sizes are identified according to table 1 of this European standard.

Door Co- ordinator Size	Test Door Leaf Mass	Recommended door leaf width max. mm	Distance between hinge centrelines max. mm
3	60	950	1900
4	80	1100	2200
5	100	1250	2500
6	120	1400	2800
7	160	1600	3200

### Digit 4 – Fire resistance

Two grades of fire resistance are identified for door coordinator devices manufactured to this European standard:

- grade 0: not suitable for use on fire/smoke door assemblies
- grade 1: suitable for use on fire/smoke door assemblies, subject to satisfactory assessment of the contribution of the door coordinator device to the fire resistance of specified fire/smoke door assemblies in accordance with the requirements of BS EN 1634-1

## 5 Digit 5 – Safety

All door coordinator devices are required to satisfy the essential requirement of safety in use. Therefore, only grade 1 is identified.

## Digit 6 – Corrosion resistance

Five grades of corrosion resistance are identified in accordance with BS EN 1670

- grade 0: no defined corrosion resistance
- grade 1: mild resistance
- grade 2: moderate resistance
- grade 3: high resistance
- grade 4: very high resistance

# Locks and Latches

The ARRONE® range of architectural locks is manufactured to the highest engineering standards and designed to offer a high price/performance ratio. They have been successfully type tested to all the requirements of BS EN 12209. The classification achieved is given for each lock separately.

# BS EN 12209:2003 – Mechanically operated locks, latches and locking plates

## 1 .

## Digit 1 - Category of use

Three categories of use are identified:

- grade 1: low frequency of use by people with a high incentive to exercise care and a small chance of misuse, e.g. internal residential doors
- grade 2: medium frequency of use by people with some incentive to exercise care but where there is some chance of misuse, e.g. internal office doors
- grade 3: high frequency of use by public or others with little incentive to exercise care and with a high chance of misuse, e.g. public doors

## 2

## Digit 2 – Durability

Twelve grades are identified with minimum figures for deadbolt and snib operation, and latch bolt operation with and without side load, as shown. The side load is applied to the latch bolt when it is being withdrawn.

<b>A</b>	Increasing side load ─►									
T	grade C	grade C grade H grade M grade S grade X								
No. of	grade B	grade G	grade L	grade R	grade W					
operations	grade A	grade F								



## Digit 3 - Door mass and closing force

Nine grades are identified with maximum figures for closing force at various door masses as shown. **Note:** closing force is from a standing start: i.e. fully extended latch bolt in contact with striking plate at start of test.

Maximum closing force	up to 100 kg	Door mass up to 200 kg	above 200 kg
15 N	grade 7	grade 8	grade 9
25 N	grade 4	grade 5	grade 6
50 N	grade 1	grade 2	grade 3



## Digit 4 - Fire resistance

Two grades are identified:

- grade 0: not approved for use on fire/smoke door assemblies
- grade 1: suitable for use on fire/smoke door assemblies tested to BS EN 1634-1 etc.

# Locks and Latches



## Digit 5 – Safety

No requirement, but note: a lock or latch conforming to this standard can, at the same time, also be part of an exit device conforming to BS EN 179 or BS EN 1125.

## Digit 6 - Corrosion resistance

Eight grades are identified with neutral salt-spray (NSS) corrosion resistance grades from BS EN 1670:2007, with and without temperature resistance as shown:

Corrosion resistance	Temperature resistance			
(NSS)	No requirement	-20 °C to +80 °C		
240 hours	grade D	grade G		
96 hours	grade C	grade F		
48 hours	grade B	grade E		
24 hours	grade A			
No requirement	grade 0			

## Digit 7 – Security and drill resistance

Seven grades are identified with minimum figures for requirements relating to physical attack, with or without drilling of the lockcase, as shown:

	No drilling requirement	Drilling requirement
	grade 6	grade 7
Increasing resistance	grade 4	grade 5
to attack	grade 3	
to attack	grade 2	
	grade 1	

# 8 Digit 8 - Field of door application

Fifteen grades are identified for differing applications – hinged or sliding doors with rim or mortice locks with either keyless egress from inside or key locking from both sides. The grading determines which application is appropriate. In addition, there is a requirement that lock/latch should not be removable from outside or, for grades K to R, from inside using "standard" tools. Grades H and P require support for the lockcase when installed.

## Digit 9 – Type of key operation and locking

Nine grades are identified for differing types of key operation. The grading determines how the lock is assessed for deadlocking requirement as shown. In addition, there is a maximum key torque operating requirement of 1.5 Nm and a minimum key strength requirement of 2.5 Nm.

- grade 0: not applicable
- grade A: cylinder lock or latch; manually locking
- grade B: cylinder lock or latch; automatically locking
- grade C: cylinder lock or latch; manually locking with intermediate locking
- grade D: lever lock or latch; manually locking
- grade E: lever lock or latch; automatically locking

# Locks and Latches

- grade F: lever lock or latch; manually locking with intermediate locking
- grade G: lock or latch without key operation; manually locking
- grade H: lock without key operation; automatically locking

## Digit 10 – Type of spindle operation

Five grades are identified:

- grade 0: lock or latch without follower
- grade 1: lock or latch for knob or sprung lever handle operation
- grade 2: lock or latch for unsprung lever handle operation
- grade 3: lock or latch for heavy duty unsprung lever handle operation
- grade 4: lock or latch for heavy duty unsprung lever handle operation specified by the manufacturer

## Digit 11 – Key identification

Nine grades are identified relating to the number of differs and levers. Grade 0 relates to a latch with no locking action:

		No. of levers ─►							
									grade H
<b>1</b>					grade F			grade G	
No of				grade D			grade E		
No. of differs			grade B			grade C			
dilicio		grade A							
	grade 0								

## Fire doors - locks

In order to provide an effective barrier to a fully developed fire, a door has to remain closed within the frame. In the case of single action doors, this role might be undertaken by a latch.

If placed on the market after 1 July 2013, the lock or latch:

- must be CE marked to BS EN 12209,
- and preferably, should be provided with additional product certification by an approved third party certification body.

In fitting locks or latches to fire-resisting doors, the potential fire performance of a door might be reduced due to:

- removal of a section of the door leaf, door frame or seal,
- leaving voids within the structure of a timber door,
- adding materials which could cause heat transfer problems in a timber door,
- through fixings creating thermal bridges in a timber door,
- using materials of low melting point (less than 800°C, or 900°+C for steel doors over 90 minutes resistance) in components which, if they should melt, could cause a failure of functionality of the device,
- locks containing materials which might flame.

Source: Door Hardware Federation, Guild of Architectural Ironmongers Fire Door Hardware Code of Practice

## Cylinders



HOPPE have various cylinder ranges available for most applications and project requirements, including cylinders tested to the European standard for cylinders, EN1303.

HOPPE (UK) also has a dedicated pinning center, which is staffed by trained technicians and is equipped with the latest computer software packages and keying machinery to enable quick and effective production of the most complicated of cylinder suites and includes the following:

- Grand master suites
- Master suites
- Common cylinders
- · Keyed alike sets

#### The Pinning Centre also offers a series of other services including:

- Pad locks
- Container locks

#### BS EN 1303 - Cylinders for locks

#### Digit 1 – Category of use

One category is identified:

- grade 1: For use by people with a high incentive to exercise care and with a small chance of misuse.

#### Digit 2 – Durability

Three grades are identified according to the number of test cycles achieved:

- grade 4: 25 000 cycles
- grade 5: 50 000 cycles
- grade 6: 100 000 cycles

#### 3 Digit 3 – Door mass

No requirement

4

#### Digit 4 – Fire resistance

Three grades are identified as follows:

- grade 0: Not approved for use on fire resistant / smoke control door assemblies
- grade A: Suitable for use on smoke control door assemblies
- grade B: Suitable for use on fire resistant and smoke control door assemblies in accordance with the requirements of BS EN 1634-1

## Digit 5 - Safety No requirement

## Cylinders

#### 6

#### Digit 6 - Corrosion and temperature resistance

Four grades are identified as follows:

- grade 0: No corrosion requirement, no temperature requirement
- grade A: High corrosion resistance, no temperature requirement
- grade B: No corrosion requirement, temperature requirementfrom 25°C to + 65°C
- grade C: High corrosion resistance, temperature requirement from
   25°C to + 65°C

#### Note:

- No distinction is made between the inside and the outside of either the cylinder and/or the door.
- On completion of the test, the cylinder must operate using a maximum 1.5 Nm torque on the key.



#### Digit 7 - Key related security

Six grades are identified and the principal requirements are summarised below:

			Gra	ade		
	1	2	3	4	5	6
Minimum number of effective differs	100	300	15,000	30,000	30,000	100,000
Minimum number of movable levers, pins, discs, etc.	2	3	5	5	6	6
Coding on key could disclose combination	-	-	No	No	No	No
Torque resistance of plug	2.5 Nm	5 Nm	15 Nm	15 Nm	15 Nm	15 Nm



#### Digit 8 - Attack resistance

Five grades are identified and the principal requirements are summarised below:

- grade 0: No resistance against drilling, no resistance against mechanical attack
- grade A: 3/5 minute resistance against drilling; resistance against mechanical attack except plug / cylinder extraction
- grade B: 5/10 minute resistance against drilling; resistance against mechanical attack except plug / cylinder extraction
- grade C: 3/5 minute resistance against drilling; resistance against mechanical attack
- grade D: 5/10 minute resistance against drilling; resistance against mechanical attack



ARRONE® cylinders are available as standard differ stock, keyed alike or master keyed to individual requirements. CES and ABUS cylinders operate on 6 pins making them suitable for complex grand master keyed suites.

The diagrams on these pages give a guide to the many keying arrangements possible. There is often confusion between keyed alike locks and a straight master keyed system. In a keyed alike arrangement all the locks operate using the same key. However in a straight master keyed suite all the locks can operate off different keys, but another key (called the master key) will open them all.

Master keyed suites often have sub suites. Examples of this could be seen in a small hotel where the hotel manager has a master key to open all doors. A chambermaid could have a sub master to open a range of bedroom doors only but none of the offices for instance. An individual room key in this arrangement is referred to as a servant key.

Varying degrees of complexity can be achieved to suit a variety of needs and examples of these are shown in the accompanying diagrams.

The common entrance suite is useful in student accommodation or a block of flats. This suite removes the need to hold two keys, i.e. one for the front door and one for an individual room. A common entrance key will open the front door and the individual room.

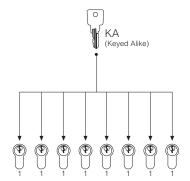
In any master keyed suite, regardless of size it is wise to look ahead to future growth. Provision can be made in the suite for extensions at a later date. This is always easier to do at the time the suite is created.

It is recommended that master keying requirements are checked with our sales office to ensure suite arrangement is possible.

## Cylinders

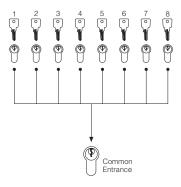
#### **Keyed to differ**

Cylinders to differ are all operated by individual keys all different to each other.



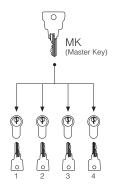
#### Keyed Alike suites (KA)

In Keyed Alike arrangements all cylinders are operated by the same key. This gives an arrangement where one key will open a group of locks. Not to be confused with a Master Keyed suite (see below). Cylinders can also be Keyed Alike to the euro profile, oval and rim cylinders. This is useful where a combination of cylinder mortice lock cases and cylinder rim nightlatches are being used.



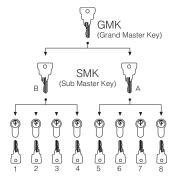
#### **Common Entrance suites**

Common Entrance (or flat entrance) suites are designed to enable a tenant to use the same key for his own private doors as well as doors common to other residents within the same buildings. The Common Entrance feature can be incorporated within any Master Key suite.



#### Master Key suites (MK)

In Master Key suites, a group of cylinders, each equipped with an individual servant key, is also operated by one special key known as the Master Key. Keyed Alike groups can also be incorporated into any Master Key suite.



#### **Grand Master Key suites (GMK)**

Grand Master Key suites are used when it is necessary to have more than one master key group. These groups are referred to as sub suites. In these instances all cylinders irrespective of their sub suite, are controlled by one key known as the Grand Master Key.

### Panic Exit Devices



#### Standards and certification

#### BS EN 1125 - Panic Exit Devices

It is desirable that doors at final exits in public buildings, places of entertainment, shops etc. should be fitted with panic devices operated by a horizontal push bar or touch bar. The emphasis for products covered by this standard is on safe exit rather than security.

The main purpose of this standard is to give performance requirements to simulate the safe and effective escape through a doorway with minimum effort and without prior knowledge of the device i.e. for locked doors on escape routes where panic situations can be foreseen.

BS EN 1125 applies to type A (push bar devices) and type B (touch bar devices) and classifies devices by using a 10-digit coding system, each digit referring to a particular feature of the product measured against the standard's performance requirement.

#### Digit 1 – Category of use

Only one category is identified:

 grade 3: high frequency of use by public and others with little incentive to exercise ie. where there is a chance of an accident occuring and of misuse

#### Digit 2 – Durability

Two categories are identified:

- grade 6: 100,000 cycles
- grade 7: 200,000 cycles

#### Digit 3 – Test door mass/size

Three categories are identified:

- grade 5: up to 100 kg
- grade 6: up to 200 kg
- grade 7: over 200 kg

#### Digit 4 – Suitability for use on fire/smoke doors

Three grades are identified:

- grade 0: not approved for use on fire/smoke door assemblies
- grade A: suitable for use on smoke door assemblies
- grade B: suitable for use on fire and smoke door assemblies in accordance with the requirements of BS EN 1634-1.

#### 5 Digit 5 – Safety

All panic and emergency exit devices have a critical safety function, therefore, only the top grade 1 is identified.

#### Digit 6 – Corrosion resistance

Two grades of corrosion resistance are identified according to BS EN

- grade 3: high resistance
- grade 4: very high resistance

### Panic Exit Devices

#### Digit 7 - Security

Only one category of security is identified (grade 2). Panic devices are primarily for the operation of a door from the inside. Safety considerations will always be given priority over security.

#### Bigit 8 – Projection of device

Two categories are defined:

- grade 1: projection up to 150 mm (large projection)grade 2: projection up to 100 mm (standard projection)
- Digit 9 Type of device

Two types are defined:

- Type A: panic exit device with "push bar" operation
- Type B: panic exit device with "touch bar" operation
- Digit 10 Field of door application

Three categories are defined:

- Category A: single door, double door: active or inactive leaf
- Category B: single door only
- Category C: double door: inactive leaf only

Experience relating to escape from buildings and general safety has shown the importance of fitting doors on escape routes with suitable exit devices to enable the occupants of the building to escape quickly and easily in the case of fire or some other emergency. Factors to consider include:

Different groups of users will have differing requirements to enable them to make an effective escape and this has to be reflected in the type of device chosen. For example, in buildings frequented by the general public it is important that doors can be released easily by people who might have no training in emergency procedures or the use of the exit device, and might therefore panic in the rush to escape.

Other buildings might be occupied predominantly by authorised personnel, who have been trained specifically in the procedures for escape, and who are therefore unlikely to panic in the case of an emergency.

Where escape route doors are part of the final exit from a building, there will be some additional requirements for security of the door against intrusion and burglary. In this case there can be a conflict between the requirements of building users to be able to escape easily and the requirements of building owners to secure their building and its contents against crime.

Where escape route doors are part of the fire compartmentation of the building there will be additional requirements to ensure that the escape hardware fitted does not compromise the fire-resisting performance of the doors.

Devices placed on the market after 1 July 2013 and intended for use by the general public must be CE Marked to BS EN 1125 - Panic exit devices operated by a horizontal bar, and preferably provided with additional product certification by an approved third party certification body.

Approved Document B recommends that panic exit devices be used if the area has more than 60 occupants, irrespective of the nature of the building. If there is any doubt about the conditions relating to building occupancy, it is recommended that devices covered by BS EN 1125 (panic exit devices operated by a horizontal bar) be specified.

## **Emergency Exit Devices**



#### Standards and certification

#### BS EN 179 - Emergency exit devices

This standard covers devices to be used in emergency situations where people are familiar with the emergency exit and its hardware and therefore a panic situation is most unlikely to develop. Lever handle operated escape locks or push pads may therefore be used.

BS EN179 applies to type A (lever handle operated emergency devices) and type B (push pad operated emergency devices). It classifies emergency exit devices by using a 10-digit coding system, each digit referring to a particular feature of the product measured against the standards performance requirement.

#### Digit 1 - Category of use

Only one category is identified:

- grade 3: high frequency of use by public and others with little incentive to exercise care

#### Digit 2 – Durability

Two categories are identified:

- grade 6: 100,000 cycles

- grade 7: 200,000 cycles

#### Digit 3 – Test door mass/size

Three categories are identified:

- grade 5: up to 100 kg

- grade 6: up to 200 kg

- grade 7: over 200 kg

#### Digit 4 - Suitability for use on fire/smoke doors

Three grades are identified:

- grade 0: not approved for use on fire/smoke door assemblies
- grade A: suitable for use on smoke door assemblies
- grade B: suitable for use on fire and smoke door assemblies in accordance with the requirements of BS EN 1634-1.

#### 5 Digit 5 – Safety

4

All panic and emergency exit devices have a critical safety function, therefore, only the top grade 1 is identified.

#### Digit 6 – Corrosion resistance

Two grades of corrosion resistance are identified according to BS EN 1670

- grade 3: high resistance

- grade 4: very high resistance

#### Digit 7 – Security

Products covered by BS EN 179 have three identified categories and have the opportunities of greater security than devices covered by BS EN 1125. This is because BS EN 179 devices are subject to testing with doors under greater pressure.

- Grade 2: 1000 N
- Grade 3: 2000 N
- Grade 4: 3000 N
- Grade 5: 5000 N

## **Emergency Exit Devices**

#### 8

#### Digit 8 - Projection of device

Two categories are defined:

- grade 1: projection up to 150 mm (large projection)
- grade 2: projection up to 100 mm (standard projection)



#### Digit 9 - Type of device

Two types are defined:

- Type A: emergency exit devices with "lever handle" operation
- Type B: emergency exit devices with "push pad" operation



#### Digit 10 - Field of door application

Four categories are defined:

- Category A: outwardly opening single exit door, double exit door: active or inactive leaf
- Category B: outwardly opening single exit door only
- Category C: outwardly opening double exit door: inactive leaf only
- Category D: inwardly opening single exit door only

Experience relating to escape from buildings and general safety has shown the importance of fitting doors on escape routes with suitable exit devices to enable the occupants of the building to escape quickly and easily in the case of fire or some other emergency. Factors to consider include:

Different groups of users will have differing requirements to enable them to make an effective escape and this has to be reflected in the type of device chosen. For example, in buildings frequented by the general public it is important that doors can be released easily by people who might have no training in emergency procedures or the use of the exit device, and might therefore panic in the rush to escape.

Other buildings might be occupied predominantly by authorised personnel, who have been trained specifically in the procedures for escape, and who are therefore unlikely to panic in the case of an emergency.

Where escape route doors are part of the final exit from a building, there will be some additional requirements for security of the door against intrusion and burglary. In this case there can be a conflict between the requirements of building users to be able to escape easily and the requirements of building owners to secure their building and its contents against crime.

Where escape route doors are part of the fire compartmentation of the building there will be additional requirements to ensure that the escape hardware fitted does not compromise the fire-resisting performance of the doors.

Devices placed on the market after 1 July 2013 for use by trained personnel must be CE Marked to BS EN 179 - Emergency exit devices operated by a lever handle or push-pad, and preferably provided with additional product certification by an approved third party certification body.

Approved Document B recommends that panic exit devices be used if the area has more than 60 occupants, irrespective of the nature of the building. If there is any doubt about the conditions relating to building occupancy, it is recommended that devices covered by BS EN 1125 (panic exit devices operated by a horizontal bar) be specified.

# Fire resistance tests for door and shutter assemblies



#### Standards and certification

## **BS EN 1634-1 - Fire resistance tests for door and shutter assemblies** Fire-resisting doors serve three main purposes in a building:

- To restrict the initial development of a fire A correctly fitted and functioning fire-resisting door can help to suppress a fire by restricting the amount of oxygen available to it.
- To restrict the spread of fire A closed fire-resisting door is designed to endure direct attack by fire for a specified period of time. This should restrict the spread of fire through the building, gaining time for evacuation of the premises and for active fire protection resources such as sprinklers and fire fighters to perform their functions.
- To protect escape routes The provision of protected escape routes is a
  requirement of Building Regulations. Any door opening on to an escape
  route or operating across an escape route is likely to be designated as a
  fire-resisting door, to ensure that persons using the route have protection
  from fire while they escape.

After evacuation, fire-resisting doors should continue to provide some protection for fire fighters entering the building to extinguish the fire.

Under BS EN 1634-1 test regimes, a door withstands fire attack for a period of time, for example 36 minutes or 67 minutes, and for the purposes of regulations is then described as E30, E60, etc. (BS EN 1634-1). Withstanding fire attack means not allowing flames or hot gases to pass. In other words, the doorset maintains its fire integrity.

#### Classification:

By using this EN standard, the performance of building hardware for fireresisting doors and emergency escape doors can be quantified in any or all the following areas:

- Category of use
- Durability
- Door size/mass
- Fire resistance
- Safety
- Corrosion resistance
- Security

All new European building hardware standards use a classification system in which the first seven digits are common. Each digit relates to a feature of the product measured against the requirements of the relevant standard. It is digit 4 that relates to the fire resistance of the product, they are graded as follows:

#### Fire resistance

Grade 0 - not approved for use on fire / smoke door assemblies Grade A - suitable for smoke door assemblies - subject to test evidence Grade B - suitable for fire and smoke door assemblies in accordance with the requirements of BS EN 1634-1.

### Lever Handle and Knob Furniture

#### Standards and certification

#### BS EN 1906 - Lever Handle and Knob Furniture

BS EN 1906 classifies door furniture by using an 8-digit coding system. A similar classification applies to all building hardware product standards so that complementary items of hardware can be specified to, for instance, a common level of corrosion resistance, category of use, etc. Each digit refers to a particular feature of the product measured against the standard's performance requirements.

#### 1

#### Digit 1 - Category of use

Four grades are identified:

- grade 1: medium frequency of use with a high incentive to exercise care and a small chance of misuse, e.g. internal residential doors
- grade 2: medium frequency of use by people with some incentive to exercise care but where there is some chance of misuse, e.g. internal office doors
- grade 3: high frequency of use by public or others with little incentive to exercise care and with a high chance of misuse, e.g. public office doors
- grade 4: high frequency of use on doors which are subject to frequent violent use, e.g. football stadiums, oil rigs, barracks, public toilets, etc.



#### Digit 2 - Durability

Two categories are identified:

- grade 6: medium use 100 000 cycles
- grade 7: high use 200 000 cycles

The tests undertaken to achieve these grades involve the application of additional forces to the door furniture in order to simulate the conditions of use likely to be experienced in the field.



#### Digit 3 - Test door mass/size

No requirement



#### Digit 4 - Suitability for use on fire/smoke doors

Five grades of fire resistance are identified and shall receive the extension "1" for an optional door cycle test:

- grade 0: no performance determined;
- grade A: for use on smoke-control doors;
- grade A1: for use on smoke-control doors, tested with 200,000 cycles on a test door;
- grade B: for use on smoke-control and fire resistant doors;
- grade B1: for use on smoke-control and fire resistant doors, tested with 200,000 cycles on a test door;



- grade C: for use on smoke-control and fire resistant doors with requirements for fire protection inlays in backplate, rose and escutcheon;
- grade C1: 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;
- grade D: for use on smoke-control and fire resistant doors with requirements for special core in the handle/knob;
- grade D1: for use on smoke-control and fire resistant doors with requirements for special core in the handle/knob, tested with 200,000 cycles on a test door

#### Digit 5 – Safety

Two grades of safety are identified:

- grade 0: normal use
- grade 1: safety applications

#### Digit 6 - Corrosion resistance

Five grades are identified according to BS EN 1670:

- grade 0: no defined corrosion resistance
- grade 1: mild resistance
- grade 2: moderate resistance
- grade 3: high resistance
- grade 4: very high resistance
- grade 5: extremely high resistance

#### Digit 7 – Security

Four grades are identified:

- grade 0: no performance determined
- grade 1: mild burglary resistance
- grade 2: moderate burglary resistance
- grade 3: high burglary resistance
- grade 4: extra high burglary resistance

#### Digit 8 - Type of operation

Three operation types are identified:

- Type A: spring assisted furniture
- Type B: spring loaded furniture
- Type U: unsprung furniture

# Thief Resistant Locks (Key Egress) Mechanically Operated Push Button Locksets

#### Standards and certification

#### BS 3621 - Thief Resistant Locks (Key Egress)

This British Standard specifies performance requirements and test methods for a thief-resistant, mechanically operated single point lock assembly (including locking plates, fixing screws, fitting instructions, cylinders and protective furniture where appropriate) that:

 a) incorporates a lock conforming to BS EN 12209 that can be unlocked from the inside without a key thereby only allowing keyless egress; and
 b) is used in doors, windows doors and entrance doors in buildings.

#### Mechanically operated push button locksets

#### Standards and certification

#### BS 8607 - Mechanically operated push button locksets

This British Standard specifies requirements and test methods for durability, strength and function of mechanically operated push-button locksets and their locking plates for use on doors, window doors and entrance doors in buildings.

#### **Application Grades**

The product shall be designated Grade 1, 2, 3, 4 or 5 according to the following intended applications:

- Grade 1: internal applications where users have a high incentive to exercise care and where the expected usage is low;
- Grade 2: internal applications where users have a high incentive to exercise care and where the expected usage is high;
- Grade 3: applications where abuse and usage levels are expected to be high, and there is an element of security;
- Grade 4: applications where security, abuse and usage levels are expected to be equivalent to BS3621, but which can only be achieved with the help of an integral additional locking unit;
- Grade 5: applications where security, abuse and usage levels are expected to be equivalent to BS3621.

## Certification Marks and Symbols



#### Certifire



Certifire is an independent third party scheme providing high quality voluntary product conformity certification for the passive fire sector.

#### ANSI - American National Standards Institute

Materials compliant to the ANSI A156 series of standards.

#### **UL - U**nderwriters Laboratories



Manufacturers use UL product safety standards to design their products so they comply with the applicable requirements. Product testing and certification organizations such as UL use these standards to evaluate the products and determine their compliance with the product standards.

**UL10C** is the Standard for "Positive Pressure Fire Tests of Door Assemblies". This is a product safety standard that includes a comprehensive set of performance requirement that products must comply with in order to be certified or listed by a product certification organization such as UL. Where required products have been certified under UL 10C '. Details expanded on individual product pages.

#### Fire Safety - BS EN1634 Part 1



The European fire safety standard for determining the fire resistance of door and shutter assemblies including hardware designed for installations within openings incorporated in vertical separating elements (doorsets).

Door Controls, Hinges and Locks can be assessed to be suitable for use on\*:

- FD30 (30 minute) fire doors
- FD60 (60 minute) fire doors
- FD90 (90 minute) fire doors
- FD120 (120 minute) fire doors
- FD240 (240 minute) fire doors
- \* see 4th digit

#### **Quality and performance**



Successfully type tested for conformity to all the requirements as required by the prevailing standads.

## Construction Products Regulation – UKCA and C€ Marking



UKCA and CE marking is the easiest route to providing compliance with the latest construction products regulations for the UK or EU for items of ironmongery used on fire, smoke and escape route doors.

UKCA and CE marking indicates that the product has been 3rd party performance/fire tested where applicable and is produced in a factory which has satisfactory production control systems. All of these have to be assessed by an authorised certification organisation.





## Interior door sets

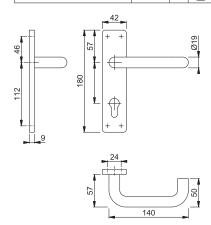


#### ■ E138F/202K-A4 (AR361 on Plate)

ARRONE lever handle set on backplate

- Function: Lever handle set for commercial/public applications
- Material: Stainless Steel
- Bearing: fixed/movable
- Connection: Grub screwable spindle (Heso)
- Base: Stainless Steel
- Fixing: Wood screw and concealed, bolt-through, M5 thread screws
- Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30 and 60 minute timber fire doors and 240 minute on steel fire doors.
- Satisfies the dimensional recommendations contained within **BS 8300:2009** for lever handles

				SSS			
Article description			Keyhole	Article no.		P.U.	O.C.
	40-50	8	57	87100964		1	20
	40-50	8	47.6	87100966		1	20
	40-50	8	72	87100968		1	20
	40-50	8	48.5	87100972		1	20
	40-50	8	without	87100962		1	20
Lever on backplate for bathroom/WC	40-50	8-5		87100974		1	20
	40-50	8-5		87100976		1	20



## ARRONE® The complete range.

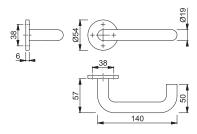
#### AR-E138F/42K (AR461/10)



ARRONE stainless steel lever handle set on rose for interior doors:

- Material: Grade 304 stainless steel
- Bearing: fixed/movable
- Connection: Solid spindle with eccentric hole on both ends
- Base: Stainless steel
- Fixing: Bolt through and wood screws
- Testing: Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30 and 60 minutes timber fire doors

Article description	1 4 6		PBR-F	PVD		P.U.	0.0
Article description		<b>I</b> ₩	Article	no.		F.U.	U.C.
Door lever on rose	40-50	8	87108	548		1	20



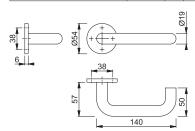
#### AR-E138F/42K (AR961/60)



ARRONE stainless steel lever handle set on rose for interior doors:

- Material: Grade 304 stainless steel
- Bearing: fixed/movable
- Connection: Solid spindle with eccentric hole on both ends
- Base: Stainless steel
- Fixing: Bolt through and wood screws
- Testing: Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30 and 60 minutes timber fire doors

Article description			SSS		P.U.	O.C.
Article description		<b>₩</b>	Article no.		JF.U.	0.0.
Door lever on rose	20	8	87133375		1	20
	40-50	8	87109372		1	20



## Interior door sets

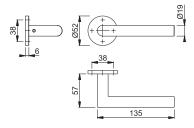


#### AR-E1400F/42K (AR964/60)

ARRONE stainless steel lever handle set on rose for interior doors:

- Material: Grade 304 stainless steel
- Bearing: fixed/movable
- Connection: Solid spindle with eccentric hole on both ends
- Base: Stainless steel
- Fixing: Bolt through and wood screws
- Testing: Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30 and 60 minutes timber fire doors

Article description			SSS		DII	0.0
Article description		<b>₩</b>	Article no.		F.U.	0.0.
Door lever on rose	40-50	8	87109374		1	20



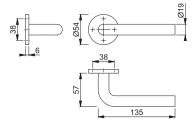


#### AR-E150F/42K (AR963/60)

ARRONE stainless steel lever handle set on rose for interior doors:

- Material: Grade 304 stainless steel
- Bearing: fixed/movable
- Connection: Solid spindle with eccentric hole on both ends
- Base: Stainless steel
- Fixing: Bolt through and wood screws
- Testing: Included in a successful fire test to BS EN 1634 Part 1. Assessed for use on 30 and 60 minutes timber fire doors

Article description		[::]	SSS		DII	0.0
Article description		<b>₩</b>	Article no.		F.U.	0.0.
Door lever on rose	40-50	8	87109373		1	20



## ARRONE® The complete range.

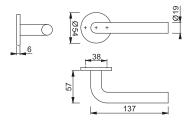
#### AR263/60



ARRONE mitred lever set on rose without escutcheons for interior doors:

- Material: Satin stainless steel grade 201
- Rose: 6 mm sprung
- Connection: Solid spindle with eccentric hole on both ends
- Fixing: concealed, M4 thread screws with sleeve nuts or multi-purpose screws

Article description		Ш	SSS		DII	0.0
Article description		<b>□</b>	Article no.		F.U.	0.0.
Door lever on rose	40-50	8	50014080		1	36



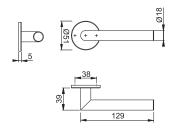
#### AR264/60



ARRONE mitred lever set on rose without escutcheons for interior doors:

- Material: Satin stainless steel grade 201
- Rose: 6 mm sprung
- Connection: Solid spindle with eccentric hole on both ends
- Fixing: concealed, M4 thread screws with sleeve nuts or multi-purpose screws

Article description	47	rin.	SSS		P.U.	0
Article description		<b>₩</b>	Article no.		P.U.	O.C.
Door lever on rose	40-50	8	50014079		1	36



## Interior door sets

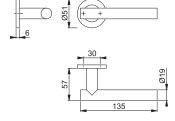


#### AR266/60

ARRONE stainless steel lever handle set on rose for interior doors:

- Material: Stainless steel grade 201
- Bearing: fixed/movable
- Connection: Solid spindle with eccentric hole on both ends
- Base: Stainless steel
- Fixing: Bolt through and wood screws

Article description			SSS		DII	0.0
Article description		<b>₩</b>	Article no.		F.U.	0.0.
Door lever on rose	40-50	8	50014092		1	36





#### **AR461**

ARRONE escutcheon:

- Euro profile escutcheon 8 mm
- Fixing: 4x20 mm screws
- Material: Grade 304 stainless steel

Article description	7	Keyhole	PVD		P.U.	O.C.
Article description		Keyriole	Article no.		F.U.	0.0.
Escutcheon AR-ESC/ TURN, pair		0	87108564		10	200
			87108565		10	200
		blind	87108567		10	200
			87108566		10	200
Escutcheon red-white- indicator for bathroom/ WC doors, AR-IND/ TURN, pair	35-70	Φ[]	87108549		5	100



## ARRONE® The complete range.

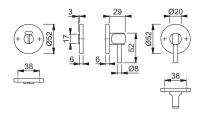
#### AR490



ARRONE bathroom turn and indicator set:

- Function: Bathroom turn set for residential/commercial applications
- Material: Stainless steel grade 304
- Base: Stainless Steel
- Fixing: Wood screws with 5 mm bathroom spindle

Article description	dip-	Keyhole	PVD		DII	O.C.
Article description		Keyriole	Article no.		F.U.	0.0.
Escutcheon red-white-	35-70	ê	87106522		5	100
indicator for bathroom/		Ď				
WC doors, pair						



#### **AR261**

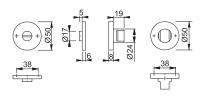




ARRONE bathroom turn and indicator set:

- Function: Bathroom turn set for residential/commercial applications
- Material: Stainless steel grade 201
- Base: Steel, zinc plated
- Fixing: Wood screw and bolt through fixings with 5 mm bathroom spindle

Article description	d d	Keyhole	PVD		DII	O.C.
Article description		Reynole	Article no.		r.U.	0.0.
Escutcheon for bath- room/WC doors, pair	35-70		50011479		0	0
			50011480			



## Interior door sets



#### **AR961**

ARRONE escutcheon:

- Euro profile escutcheon 8 mm
- Fixing: 4x20 mm screws
- Material: Grade 304 stainless steel

Article description		Keyhole	SSS		P.U.	O.C.
Article description		Reynole	Article no.		F.U.	0.0.
Escutcheon, pair		0	87109375		5	100
			87109377		10	200
			87109376		10	200
		blind	50018735		0	0
Escutcheon red-white-indicator for bathroom/	35-70		87109379		5	100
WC doors, pair	35-70		87109378		5	100





#### **AR261**

- Function: Escutcheon pair for residential/commercial applications
- Material: Stainless steel grade 201
- Base: Mild steel
- Fixing: Wood screws

Article description	474	Kaybala	SSS			P.U.	O.C.
Article description		Keyhole	Article no.			F.U.	0.0.
Escutcheon, pair		0	87133382			10	100
			87133396			10	200
		0	87133389			10	200
		blind	50014031			0	0
Escutcheon red-white-indicator for bathroom/	35-70		87133410			5	100
WC doors, pair	35-70		87133403	·		5	100



## The complete range.

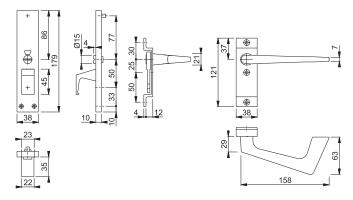
#### **AR751/15**



ARRONE reversible facility furniture:

- Material: Aluminium
- Function: Suitable for hinged or sliding toilet outer or inner cubicle doors
  Red / white indicator and emergency coin release

Article description	SAA		P.U.	00
Article description	Article no.		P.U.	0.0.
Reversible facility	87135280		1	10
furniture				



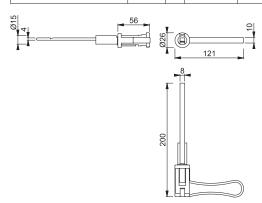
#### AR600-Lever-Temp



ARRONE temporary lever handle set:

- Function: Temporary lever handle set for residential doors
- Material: Nylon
- Easily fitted and removable

Article description		F9017		P.U.	0.0
Article description		Article no.		r.U.	O.C.
Temporary lever set		87127260		10	100



## Interior door sets



#### AR5000 (AR-Z107/3259)

ARRONE lever handle set on backplate:

• Function: Lever handle set for residential applications

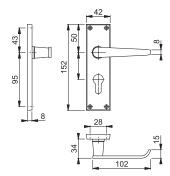
• Material: Brass

Bearing: Fixed/movableConnection: Solid spindle

• Base: Brass

• Fixing: Wood screws

Article description				a o l o	PB	PC		P.U.	O.C.
Article description			Keyhole		Article no.	Article no.		F.U.	0.0.
Victorian straight lever furniture				47.6	87115923	87115958		1	20
				57	87115916	87115951		1	20
Victorian straight lever furniture for bathroom/ WC			<b>D</b>	57	87115930	87115965		1	20





#### AR5000-11 (AR-Z107/3259)

ARRONE lever handle set on backplate:

• Function: Lever handle set for residential applications

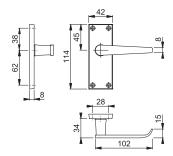
• Material: Brass

Bearing: Fixed/movableConnection: Solid spindle

• Base: Brass

• Fixing: Wood screws

Article description	Kovbolo	PB	PC		DII	0.0
Article description	Keyhole	Article no.	Article no.		F.U.	0.0.
Victorian straight lever	without	87115909*	87115944*		1	30
furniture						



## The complete range.



#### AR5001 (AR-Z1720/325)

ARRONE lever handle set on backplate:

• Function: Lever handle set for residential applications

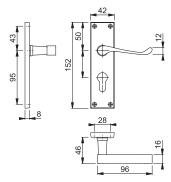
• Material: Brass

Bearing: Fixed/movableConnection: Solid spindle

• Base: Brass

• Fixing: Wood screws

Article description	Kov	hole	PB	PC		P.U.	O.C.
Article description	rtey	TIOLE	Article no.	Article no.		F.U.	0.0.
Victorian scroll lever furniture		47.6	87116028	87116063		1	20
		57	87116021	87116056		1	20
Victorian scroll lever furniture for bathroom/ WC	<b>D</b> (1)	57	87116035	87116070		1	20
Victorian scroll lever furniture for privacy door		57	87116042	87116077		1	30







ARRONE lever handle set on backplate:
• Function: Lever handle set for residential applications

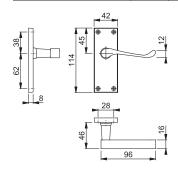
• Material: Brass

• Bearing: Fixed/movable • Connection: Solid spindle

• Base: Brass

• Fixing: Wood screws

Article description		Keyhole	PB	PC		חום	O.C.	
Article description		Reynole	Article no.	Article no.		F.U.	0.0.	
Victorian scroll lever		without	87116014	87116119*		1	30	
furniture								

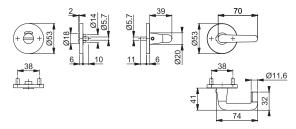




ARRONE bathroom turn and indicator set:

- Function: Bathroom turn set for residential/commercial applications
- Material: Stainless steel grade 304
- Base: Stainless Steel
- Fixing: Wood screws with 5 mm bathroom spindle

Article description	Kaybala	SSS		DII	0.0
Article description	Keyhole	Article no.		F.U.	0.0.
bathroom turn and indi-		87143176		0	0
cator set					



#### AR961/69D-NC

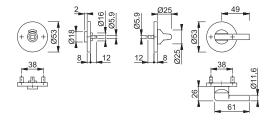




ARRONE bathroom turn and indicator set:

- Function: Bathroom turn set for residential/commercial applications
- Material: Stainless steel grade 304
- Base: Stainless Steel
- Fixing: Wood screws with 5 mm bathroom spindle
- For key to operate refer to ID 50022745

Article description		Keyhole	SSS		P.U.	0.0
Article description		Reynole	Article no.		F.U.	O.C.
bathroom turn and indi-			50022738		0	0
cator set						





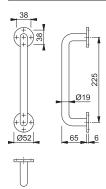




ARRONE pull handle on rose:

- Concealed fixing
- Material: Aluminium with nylon understructure

Article description	Ø	Distance	SAA		P.U.	O.C.	
Article description		Distance	Article no.		1 .0.	0.0.	
Pull handle on rose, concealed fixing	19	150	8504193		1	70	
	19	225	8504200		1	50	
	19	300	8504207		1	50	
	19	425	8504214		1	70	
	19	600	87107110		1	24	



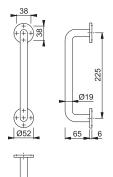
Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors





- Bolt through and wood screw fixing with rose cover
- Material: Aluminium

Article description	Ø	Distance	SAA		DII	O.C.
Article description	0	Distance	Article no.		P.U.	U.C.
Pull handle on rose,	19	150	87105920		1	0
bolt through fixing, pair						
	19	225	87105921		1	0
	19	300	87105922		1	0
	19	425	87105923		1	0
	19	600	87107111		1	0



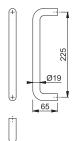




ARRONE pull handle:

- Bolt through fixing
- Bolt type: M8 (suitable for timber doors with max. 44 mm thickness)
- Material: Aluminium
- Satisfies the dimensional recommendations contained within **BS 8300-2:2018** for pull handles

Article description	Ø	dip.	Distance	SAA		P.U.	O.C.
Article description			Distance	Article no.		F.U.	0.0.
Pull handle,	19	35-54	150	8504221		1	70
bolt through fixing							
	19	35-54	225	8504228		1	50
	19	35-54	300	8504242		1	40
	19	35-54	425	8504249		1	30
	19	35-54	600	87107112		1	24



#### Conformity statement:

Pull handles with a length of 300 mm and above meet the dimensional recommendations of BS8300 and ADM.

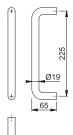
Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors

#### **AR204**

ARRONE pull handle:

- Back to back fixing
- Bolt type: M8 (suitable for timber doors with max. 44 mm thickness)
- Material: Aluminium

A	_		D: 1	SAA			0.0
Article description	Ø		Distance	Article no.		P.U.	O.C.
Pull handles, back to	19	35-54	150	8504256		1	40
back fixing, pair							
	19	35-54	225	8504263		1	40
	19	35-54	300	8504270		1	20
	19	35-54	425	87107113		1	20
	19	35-54	600	87107114		1	16



#### Conformity statement:

Pull handles with a length of 300 mm and above meet the dimensional recommendations of BS8300 and ADM.

## Pull handles

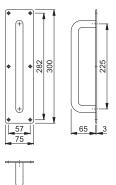


#### **AR205-P**

ARRONE pull handle on plate:

- Face fixing
- Material: Aluminium

Article description	Distance	SAA		P.U.	O.C.
Article description	Plate	Article no.		F.U.	0.0.
Pull handle on plate	150	8504277		1	20
	75 x 225				
	225	8504284		1	20
	75 x 300				
	300	8504291		1	20
	75 x 375				
Pull handle on plate,	300	50002521		1	20
engraved "Pull"	75 x 375				



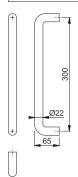
Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors



#### ARRONE pull handle:

- Bolt through fixing
- Bolt type: M8 (suitable for timber doors with max. 44 mm thickness)
- Material: Aluminium
- Satisfies the dimensional recommendations contained within **BS 8300-2:2018** for pull handles

Article description	Ø	Distance	SAA		P.U.	O.C.
		Distance	Article no.		JF.U.	0.0.
Pull handle, bolt	22	300	8504585		1	40
through fixing						
	22	425	8504607		1	30

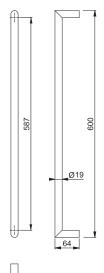




ARRONE stainless stell round bar mitred pull handle:

Material: Stainless steel grade 304
Handle Diameter: 19 mm
Fixing: Bolt through
To suit Door thickness: 35-54 mm

					1	
Article description	Ø	Distance	SSS		P.U.	O.C.
Article description	W	Distance	Article no.		P.U.	0.0.
Pull handles, bolt fixed	19	225	50016805		1	20
	19	300	50016817		1	20
	19	425	50016829		1	20
	19	600	50016830		1	20
Pull handles, back to back fixing, pair	19	225	50016842		1	20
	19	300	50016854		1	20
	19	425	50016866		1	20
	19	600	50016878		1	20



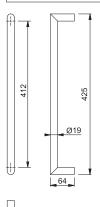
ARRONE mitred pull handle:

• Material: Stainless steel grade 201

• Handle Diameter: 19 mm

Fixing: Bolt fix type M8 machine screwTo suit Door thickness: 35-54 mm

Article description	Ø	Distance	SSS		P.U.	O.C.
Article description		Distance	Article no.		F.U.	0.0.
Pull handles, back to back fixing	19	425	50014109		1	20
	19	600	50014110		1	20



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors

#### **AR2616**

ARRONE D bar pull handle:

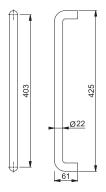
• Material: Stainless steel grade 201

• Handle Diameter: 22 mm

• Fixing: Bolt fix type M8 machine screw

• To suit Door thickness: 44-54 mm

Article description	Ø	Distance	SSS		P.U.	O.C.
Article description		Distance	Article no.		F.U.	0.0.
Pull handles, bolt fixed	19	300	50014134		1	20
	22	425	50014146		1	20
	22	600	50014158		1	20





ARRONE T bar pull handle:

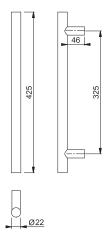
• Material: Stainless steel grade 201

• Handle Diameter: 22 mm

• Fixing: Bolt fix type M8 machine screw

• To suit Door thickness: 35-54 mm

Article description	Ø	Distance	SSS		P.U.	O.C.
·		Distance	Article no.		1 .0.	0.0.
Pull handle, bolt fixed	22	425	50014165		1	20
	22	600	50014171		1	20

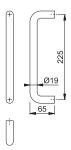




ARRONE stainless steel pull D handle:

- Material: Grade 304 stainless steel
- Handle Diameter: 19 mm
- Fixing: Concealed type M8 machine screw
- To suit Door thickness: 35-54 mm
- Satisfies the dimensional recommendations contained within BS 8300:2009 for pull handles

Article description	Ø	Distance	SSS-AM*	SSS		P.U.	O.C.
Article description	·	Distance	Article no.	Article no.		r.U.	0.0.
Pull handle, bolt fixed	19	225		87109380		1	20
		300	50016118	87109381		1	20
		425	50016125	87109382		1	20



Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors

\* AM - Antimicrobial finish

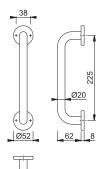
#### **AR3616**

ARRONE stainless steel straight pull handle with roses (exterior side):

• Fixing: concealed, pull handle fixing system no. BS14

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Article description	Ø	Distance	F69		P.U.	O.C.
Article description		Distance	Article no.		F.U.	0.0.
Pull handle with rose, rose 6 mm height	19	150	87100910		1	45
	19	225	87100912		1	20
	19	300	87100914		1	35
Pull handle with rose, rose 8 mm height	19	225	87100930		1	20
	19	300	87100932		1	35
Pull handle with rose, 8 mm height supplied with concealed and bolt through fixings	19	300	87105928		1	30



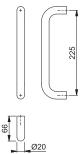




ARRONE stainless steel straight pull handle (exterior side):
• Fixing: pull handle fixing system no. BS13-B



Article description	Ø	ф	Distance	F68	F69	P.U.	O.C.
Article description			Distance	Article no.	Article no.	TF.U.	0.0.
Straight pull handle, bolt through fixing	19	37-57	150	87100917	87100916	1	45
	19	37-57	225	87100919	87100918	1	20
	19	37-57	300	87100921	87100920	1	35
	19	37-57	425	87104515	87104514	1	35
	19	37-57	600	87104519	87104518	1	20
Straight pull handle, back to back fixing,	19	37-57	150		87100922	1	18
fixing system no. BS12-B, pair	19	37-57	225		87100924	1	15
	19	37-57	300		87100926	1	10
	19	37-57	425		87104516	1	10
	19	37-57	600		87104520	1	10
Straight pull handle, bolt fix, fixing system	22	37-57	300		87102816	1	27
no. BS13-C	22	37-57	425		87104522	1	27
	22	37-57	600		87104524	1	27



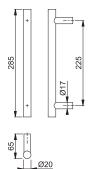


ARRONE stainless steel bar-shaped pull handle (exterior side):

- Supports: round, straight
- Fixing: concealed, pull handle fixing system no. BS13-A

316

Article description	Ø		Distance	Overall Length	F69		P.U.	O.C.
					Article no.			
Bar-shaped pull handle, bolt through fixing	20	37-57	225	285	87104300		1	35
	20	37-57	300	400	87104302		1	35
	20	37-57	425	525	87108586		1	20
	20	37-57	600	700	87108588		1	20
Bar-shaped pull handle, back to back fixing, fix- ing back to back, pair	20	37-57	225	285	87104304		1	10
	20	37-57	300	400	87104306		1	10
	20	37-57	425	525	87108587		1	10
	20	37-57	600	700	87108589		1	10





- ARRONE front entrance pull handle:

   Material: Grade 316 stainless steel

   Handle Diameter: 25 mm

   Fixing: Back to back type M8 machine screw

   To suit Door thickness: 44-54 mm

316

Article description	Ø		Distance	Overall	SSS		P.U.	O.C.
Article description			Distance	Length	Article no.		1 .0.	0.0.
Pull handle,	25	44-54	425	525	87109053		1	20
bolt through fixing								
	25	44-54	600	720	87109054		1	10
	25	44-54	1000	1100	87109055		1	10
Pull handle,	25	44-54	425	525	87109056		1	10
back to back fixing,								
pair	25	44-54	600	720	87109057		1	10
	25	44-54	1000	1100	87109058		1	10



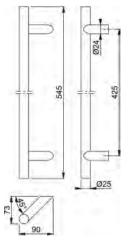


ARRONE front entrance pull handle:

- Material: Grade 316 stainless steel
- Handle Diameter: 25 mm
- Fixing: Back to back type M8 machine screw To suit Door thickness: 44-54 mm

316

Article description	Ø	d d	Distance	Overall	SSS		P.U.	O.C.
'				Length	Article no.			
Pull handle, bolt through fixing for timber	25	54	425	545	87141909		1	20
doors	25	54	600	720	87141923		1	15
	25	54	1000	1220	87141937		1	10
	25	54	1200	1400	87141951		1	10
Pull handle, bolt through fixing for glass	25	10-12	425	545	87141916		1	20
doors	25	10-12	600	720	87141930		1	15
	25	10-12	1000	1220	87141944		1	10
	25	10-12	1200	1400	87141958		1	10
Pull handles, back to back fixing for timber	25	54	425	545	87141853		1	10
doors, pair	25	54	600	720	87141867		1	10
	25	54	1000	1220	87141881		1	10
	25	54	1200	1400	87141895		1	6
Pull handles, back to back fixing for glass	25	10-12	425	545	87141860		1	10
doors, pair	25	10-12	600	720	87141874		1	10
	25	10-12	1000	1220	87141888		1	10
	25	10-12	1200	1400	87141902		1	6





- ARRONE front entrance pull handle:

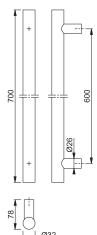
   Material: Grade 316 stainless steel

   Handle Diameter: 32 mm

   Fixing: Back to back type M8 machine screw

   To suit Door thickness: 44-54 mm

Article description	Ø	4	Distance	Overall	SSS		P.U.	O.C.
Article description			Distance	Length	Article no.		1 .0.	0.0.
Pull handle,	32	44-54	600	700	87109060		1	10
bolt through fixing								
	32	44-54	1200	1400	87109061		1	10
	32	44-54	1800	2000	87109062		1	8
Pull handles, back to	32	44-54	600	700	87109063		1	10
back fixing, pair								
	32	44-54	1200	1400	87109064		1	6
	32	44-54	1800	2000	87109065		1	4





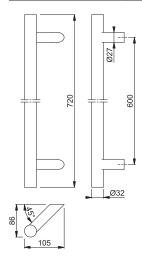


ARRONE front entrance pull handle:

- Material: Grade 316 stainless steel
- Handle Diameter: 32 mm
- Fixing: Back to back type M8 machine screw
  To suit Door thickness: 44-54 mm

316

Article description	Ø		Distance	Overall	SSS		P.U.	O.C.
Article description	V		Distance	Length	Article no.		r.U.	0.0.
Pull handle, bolt through fixing for timber	32	44-54	600	720	87142007		1	10
doors	32	44-54	1200	1400	87142021		1	10
Pull handle, bolt through fixing for glass	32	8-22	600	720	87142014		1	10
doors	32	8-22	1200	1400	87142028		1	10
Pull handles, back to back fixing for timber	32	44-54	600	720	87141965		1	10
doors, pair	32	44-54	1200	1400	87141993		1	6
Pull handles, back to back fixing for glass	32	8-22	600	720	87141972		1	10
doors, pair	32	8-22	1200	1400	87142000		1	6





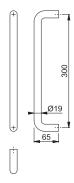




ARRONE cranked front entrance pull handle:

- Bolt through fixing
- Bolt type: M8 (suitable for timber doors with max. 54 mm thickness)
  Material: Stainless steel
- Satisfies the dimensional recommendations contained within BS 8300:2009 for pull handles

Article description	Ø		Distance	PVD		P.U.	O.C.
Article description	V		Distance	Article no.		r.U.	0.0.
Pull handle, bolt through fixing	19	35-54	225	8506573		1	20
	19	35-54	300	8506580		1	20
	19	35-54	425	87106084		1	20
	19	35-54	600	87106085		1	20



# Conformity statement:

Pull handles with a length of 300 mm and above meet the dimensional recommendations of BS8300 and ADM.

Included in a successful fire test to BS EN1634 Part-1. Assessed for use on 30 and 60 minute timber fire doors







# AR8180, AR7070, AR9290 & AR8187

ARRONE ball bearing hinge:

• Material: Stainless Steel

• Hinge Grade: Grade 13

• Shape: Square

• Unit of measure (pack size): Sold as a pair

• Door weight: Suitable for doors weighing up to 120 kg

• Fixing: 16 x 201 grade stainless steel pozi countersunk wood screws

• Testing: **BS EN 1935:2002** (Classification: 4 | 7 | 6 | 1\* | 1 | 4 | 0 | 13 ); **BS EN 1634** Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.

• CE Marked: AC0070, UKCA Marked: AC7678

• Certifire approved: CF369, CE DOP: HUK0016, UKCA DOP: HUK0016-UK



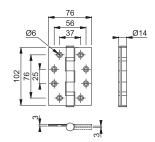
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Product ref.	Article description	Dimensions	Finish	Article no.
AR8180-SSS-A1	Ball bearing hinge	102 x 76 x 3	SSS	8567837
AR8180-SSS-A2	Ball bearing hinge	102 x 76 x 3	SSS	87131789
AR8180-SSS-A4	Ball bearing hinge	102 x 76 x 3	SSS	87131796
AR7070-PVD	Ball bearing hinge	102 x 76 x 3	PVD	87105948
AR9290-PSS-A1	Ball bearing hinge	102 x 76 x 3	PSS	8567844

AR8187-SSS-A1	Ball bearing hinge 1,5 pair	102 x 76 x 3	SSS	87109450
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# AR8182 & AR9292

ARRONE ball bearing hinge:

- Material: Stainless Steel
- Hinge Grade: Grade 13
- Shape: Radius
- Unit of measure (pack size): Sold as a pair
- Door weight: Suitable for doors weighing up to 120 kg
- Fixing: 16 x 201 grade stainless steel pozi countersunk wood screws
- Testing: **BS EN 1935:2002** (Classification: 4 | 7 | 6 | 1\* | 1 | 4 | 0 | 13 ); **BS EN 1634** Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.
- CE Marked: AC0070, UKCA Marked: AC7678
- Certifire approved: CF369, CE DOP: HUK0021, UKCA DOP: HUK0021-UK

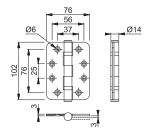


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Product ref.	Article description	Dimensions	Finish	Article no.
AR8182-SSS-A1	Ball bearing hinge	102 x 76 x 3	SSS	87105952
AR8182-SSS-A2	Ball bearing hinge	102 x 76 x 3	SSS	89002569
AR8182-SSS-A4	Ball bearing hinge	102 x 76 x 3	SSS	89002562
AR9292-PSS-A1	Ball bearing hinge	102 x 76 x 3	PVD	87105953

Intumescent Packs on page 196



# **AR8184**

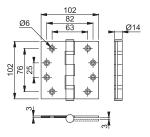
ARRONE ball bearing hinge:

- Material: Stainless Steel
- Hinge Grade: Grade 13
- Shape: Square
- Unit of measure (pack size): Sold as a pair
- Door weight: Suitable for doors weighing up to 120 kg
- Fixing: 16 x stainless steel pozi countersunk wood screws
- Testing: **BS EN 1935:2002** (Classification: 4 | 7 | 6 | 1\* | 1 | 4 | 0 | 13 ); **BS EN 1634** Part 1. Assessed for use on 30 and 60 minutes timber fire doors and 240 minutes on steel fire doors.
- CE Marked: AC0070, UKCA Marked: AC7678
- Certifire approved: CF369, CE DOP: HUK0017, UKCA DOP: HUK0017-UK





Product ref.	Article description	Dimensions	Finish	Article no.
AR8184-SSS-A1	Ball bearing hinge	102 x 102 x 3	SSS	87105949











ARRONE ball bearing hinge:

• Material: Stainless Steel

• Hinge Grade: Grade 13

• Shape: Radius

• Unit of measure (pack size): Sold as a pair

• Door weight: Suitable for doors weighing up to 120 kg

• Fixing: 16 x stainless steel pozidrive countersunk wood screws

• Testing: **BS EN 1935:2002** (Classification: 4 | 7 | 6 | 1\* | 1 | 4 | 0 | 13 ); **BS EN 1634** Part 1. Assessed for use on 30 and 60 minutes timber fire doors and 240 minutes on steel fire doors.

• CE Marked: AC0070, UKCA Marked: AC7678

• Certifire approved: CF369, CE DOP: HUK0017, UKCA DOP: HUK0017-UK

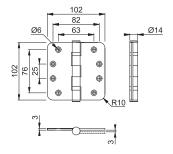


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CE

Product ref.	Article description	Dimensions	Finish	Article no.
AR8184-R-SSS-A1	Ball bearing hinge	102 x 102 x 3	SSS	87136666

Intumescent Packs on page 196



# **AR8380**

ARRONE phospor bronze bearing hinge:

• Material: Stainless Steel

• Hinge Grade: Grade 13

• Shape: Square

• Unit of measure (pack size): Sold as 1.5 pairs

• Door weight: Suitable for doors weighing up to 120 kg

• Fixing: 30 x 304 grade stainless steel pozidrive countersunk wood screws

Testing: BS EN 1935:2002 (Classification: 4 | 7 | 6 | 1\* | 1 | 4 | 0 | 13 ); BS EN 1634
 Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.

• CE Marked: AC5027, UKCA Marked: AC7676

• Certifire approved: CF5197, CE DOP: HUK0049, UKCA DOP: HUK0049-UK

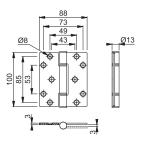


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Product ref.	Article description	Dimensions	Finish	Article no.
AR8380-SSS-A1	Phospor bronze bearing hinge	100 x 88 x 3	SSS	50011698
AR8380-SSS-A2	Phospor bronze bearing hinge	100 x 88 x 3	SSS	87139242







ARRONE phosphor bronze bearing hinge:

• Material: Stainless Steel

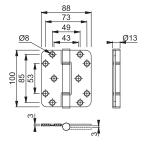
- Hinge Grade: Grade 13
- Shape: Radius
- Unit of measure (pack size): Sold as 1.5 pairs
- Door weight: Suitable for doors weighing up to 120 kg
- Fixing: 30 x 304 grade stainless steel pozi countersunk wood screws
- Testing: BS EN 1935:2002 (Classification: 4  $\mid$  7  $\mid$  6  $\mid$  1\*  $\mid$  1  $\mid$  4  $\mid$  0  $\mid$  13 ); BS EN 1634 Part 1. Assessed for use on 30 and 60 minutes timber fire doors.
- CE Marked: AC5027, UKCA Marked: AC7676
- Certifire approved: CF5197, CE DOP: HUK0049, UKCA DOP: HUK0001-UK



certifire

Product ref.	Article description	Dimensions	Finish	Article no.
AR8382-SSS-A1	Phosphor bronze bearing hinge	100 x 88 x 3	SSS	50011704
AR8382-SSS-A2	Phosphor bronze bearing hinge	100 x 88 x 3	SSS	87139263

Intumescent Packs on page 196



# **AR8580**

ARRONE concealed bearing hinge:

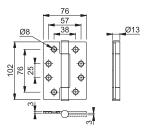
- Material: Stainless Steel
- Hinge Grade: Grade 13
- Shape: Square
- Unit of measure (pack size): Sold as 1.5 pairs
- Door weight: Suitable for doors weighing up to 120 kg
- Fixing: 24 x stainless steel pozidrive countersunk wood screws
- Testing: BS EN 1935:2002 (Classification: 4 | 7 | 6 | 1\* | 1 | 4 | 0 | 13 ); BS EN 1634
  Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 240
  minutes on steel fire doors.
- CE Marked: AC5027, UKCA Marked: AC7676
- $\bullet$  Certifire approved: CF5197, CE DOP: HUK0050, UKCA DOP: HUK0050-UK



certifire



Product ref.	Article description	Dimensions	Finish	Article no.
AR8580-SSS-A2	Concealed bearing hinge	102 x 76 x 3	SSS	87139200







ARRONE concealed bearing hinge:

• Material: Stainless Steel

Hinge Grade: Grade 13Shape: Radius

• Unit of measure (pack size): Sold as 1.5 pairs

• Door weight: Suitable for doors weighing up to 120 kg

• Fixing: 8 x stainless steel pozidrive countersunk wood screws

 $\bullet$  Testing: **BS EN 1935:2002** (Classification: 4 | 7 | 6 | 1\* | 1 | 4 | 0 | 13 ); **BS EN 1634** Part 1. Assessed for use on 30 and 60 minutes timber fire doors.

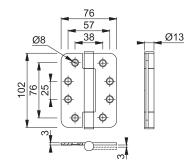
• CE Marked: AC5027, UKCA Marked: AC7676

• Certifire approved: CF5197, CE DOP: HUK0050, UKCA DOP: HUK0050



certifire

Product ref.	Article description	Dimensions	Finish	Article no.
AR8582-SSS-A2	Concealed bearing hinge	102 x 76 x 3	SSS	87139221







ARRONE lift off hinge:

- Material: Stainless Steel
- Hinge Grade: Grade 13
- Shape: Square
- Unit of measure (pack size): Sold as pairs
- Handed (Please specify desired hand on ordering)
- Door weight: Suitable for doors weighing up to 120 kg
- Fixing: 20 x stainless steel pozidrive countersunk wood screws
- Testing: **BS EN 1935** (Classification: 4 | 7 | 6 | 1\* | 1 | 4 | 0 | 13 )
- CE Marked: AC5050, UKCA Marked: AC7677
- Certifire approved: CF5534, CE DOP: HUK0063, UKCA DOP: HUK0063-UK
- BS EN 1634 Part 1. Assessed for use on 30 and 60 minutes timber fire doors
- \* The AR8780 series hinge range has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test, CE marking and CERTIFIRE evidence it has gained. HOPPE takes no responsibility for any hinges purchased and fitted without matching and sufficient intumescent protection.tifire approved: CF5534; DOP: HUK0063

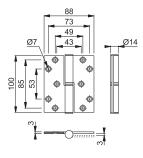


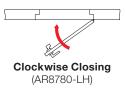
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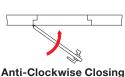


Product ref.	Article description	Dimensions	Finish	Article no.
AR8780-LH-SSS-A2	Lift off hinge - LEFT	100 x 88 x 3	SSS	50004177
AR8780-RH-SSS-A2	Lift off hinge - RIGHT	100 x 88 x 3	SSS	50004189











ARRONE lift off hinge:

• Material: Stainless Steel

• Hinge Grade: Grade 13

• Shape: Square

• Unit of measure (pack size): Sold as singles

• Handed (Please specify desired hand on ordering)

• Door weight: Suitable for doors weighing up to 120 kg

• Fixing: 20 x stainless steel pozidrive countersunk wood screws

• Testing: **BS EN 1935** (Classification: 4 | 7 | 6 | 1\* | 1 | 4 | 0 | 13)

• CE Marked: AC5050, UKCA Marked: AC7677

• Certifire approved: CF5534, CE DOP: HUK0063, UKCA DOP: HUK0063-UK

• BS EN 1634 Part 1. Assessed for use on 30 and 60 minutes timber fire doors.

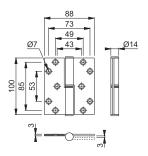
\* The AR8780 series hinge range has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test, CE marking and CERTIFIRE evidence it has gained. HOPPE takes no responsibility for any hinges purchased and fitted without matching and sufficient intumescent protection.

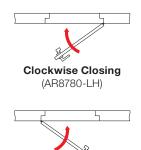


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Product ref.	Article description	Dimensions	Finish	Article no.
AR8780-LH-SSS-A1	Lift off hinge - LEFT (single hinge)	100 x 88 x 3	SSS	50009606
AR8780-RH-SSS-A1	Lift off hinge - RIGHT (single hinge)	100 x 88 x 3	SSS	50009618





Anti-Clockwise Closing (AR8780-RH)

Intumescent Packs on page 196

Supplied bulk packed





ARRONE lift off hinge:

- Material: Stainless Steel
- Hinge Grade: Grade 13
- Shape: Radius
- Unit of measure (pack size): Sold as pairs
- Handed (Please specify desired hand on ordering)
- Door weight: Suitable for doors weighing up to 120 kg
- Fixing: 20 x stainless steel pozidrive countersunk wood screws
- CE Marked: AC5050 (BS EN 1935) DOP: HUK0063
- Testing: BS EN 1935 (Classification: 4 | 7 | 6 | 1\* | 1 | 4 | 0 | 13 )
- Certifire approved: CF5534
- BS EN 1634 Part 1. Assessed for use on 30 and 60 minutes timber fire doors
- \* The AR8782 series hinge range has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test, CE marking and CERTIFIRE evidence it has gained. HOPPE takes no responsibility for any hinges purchased and fitted without matching and sufficient intumescent protection.

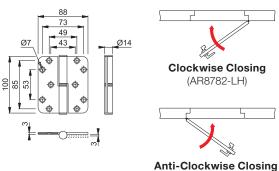


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Product ref.	Article description	Dimensions	Finish	Article no.
AR8782-LH-SSS-A2	Lift off hinge - LEFT	100 x 88 x 3	SSS	50004190
AR8782-RH-SSS-A2	Lift off hinge - LEFT	100 x 88 x 3	SSS	50004207

(AR8782-RH)





ARRONE lift off hinge:

• Material: Stainless Steel

• Hinge Grade: Grade 13

• Shape: Radius

• Unit of measure (pack size): Sold as singles

• Handed (Please specify desired hand on ordering)

• Door weight: Suitable for doors weighing up to 120 kg

• Fixing: 20 x stainless steel pozidrive countersunk wood screws

• Testing: **BS EN 1935** (Classification: 4 | 7 | 6 | 1\* | 1 | 4 | 0 | 13)

• CE Marked: AC5050, UKCA Marked: AC7677

• Certifire approved: CF5534, CE DOP: HUK0063, UKCA DOP: HUK0063-UK

• BS EN 1634 Part 1. Assessed for use on 30 and 60 minutes timber fire doors

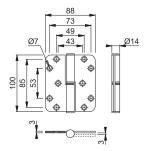
\* The AR8782 series hinge range has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test, CE marking and CERTIFIRE evidence it has gained. HOPPE takes no responsibility for any hinges purchased and fitted without matching and sufficient intumescent protection.

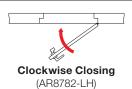


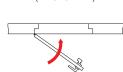
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Product ref.	Article description	Dimensions	Finish	Article no.
AR8782-LH-SSS-A1	Lift off hinge - LEFT (single hinge)	100 x 88 x 3	SSS	50009625
AR8782-RH-SSS-A1	Lift off hinge - RIGHT (single hinge)	100 x 88 x 3	SSS	50009631







Anti-Clockwise Closing (AR8782-RH)

Intumescent Packs on page 196

Supplied bulk packed

# **AR-INT-HINGE**



- Intumescent pack to suit ARRONE 102 mm x 76 mm hinges
- 1 mm thickness
- Consists of: 6 x hinge leaf pads (for 3 hinges)
- Material: Mono Ammonium Phosphate

Product ref.	Article description	Dimensions	Finish	Article no.
AR/INT-8180/8580	To suit 102 x 76 mm sized hinges			50004578
AR/INT- 8680/8380/8780	To suit 102 x 89 mm sized hinges			50004585
AR/INT-8184	To suit 102 x 102 mm sized hinges			50004591





# Door closing devices





# **Door Controls**



# **AR450**

ARRONE door closing device:

- Fixed power size 3
- Function: Closing, latching
- Cover: no cover
- Maximum door width: 950 mm
- Maximum door weight: 60 kg
- Arm application: Fig 1, Fig 6 (bracket available separately) and Fig 61 fixing positions
- Successfully type tested for conformity to all the requirements of BS EN 1154:1997
- Door mount pull (Fig 1), transom mount push (Fig 61): 4 | 8 | 3 | 1\* | 1 | 3 Door mount push (Fig 6): 3 | 8 | 3 | 1\* | 1 | 3
- Included in a successful fire test to BS EN 1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.
- CE Marked: AD0178, UKCA Marked: AD7700
- Certifire approved: CF5629, CE DOP: HUK0018, UKCA DOP: HUK0018-UK



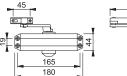
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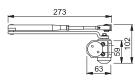


Product ref.	Article description	Finish	Article no.
AR450-SE	Door closer and matching arm	SE	87109670
AR450-GE	Door closer and matching arm	GE	87109671

Γ	AD450 COMPLETE CE	De au alanau/awas /Fier C Duantunt	OF.	50013495
	AR450-COMPLETE-SE	Door closer/arm/Fig 6 Bracket	SE	50013495

AR450-FIG6-BKT-SE	Fig 6 Bracket t/s AR450 Closer	SE	50013440
AR450-FIG6-BKT-GE	Fig 6 Bracket t/s AR450 Closer	GE	50013452









ARRONE door closing device:

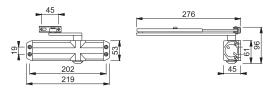
- Power size: 2 to 4 adjustable by template
- Function: Closing, latching
- Cover: no cover
- Maximum door width: 1,100 mm (Fig 1), 950 mm (Fig 6 and Fig 61)
- Maximum door weight: 80 kg (Fig 1), 60 kg (Fig 6 and Fig 61)
- Arm application: Fig 1, Fig 6 and Fig 61 fixing positions
- Successfully type tested for conformity to all the requirements of BS EN 1154:1997
  - Door mount pull (Fig 1), transom mount push (Fig 61): 3 | 8 | 4/2 | 1\* | 1 | 3
- Door mount push (Fig 6): 3 | 8 | 3 | 1\* | 1 | 3
- Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.
- CE Marked: AD0095, UKCA Marked: AD7696
- Certifire approved: CF603, CE DOP: HUK0025, UKCA DOP: HUK0025-UK



certifire



Product ref.	Article description	Finish	Article no.
AR6800-SE	Door closer and matching arm	SE	87105960
AR6800-GE	Door closer and matching arm	GE	87106904



Hold open arms sets available upon request



ARRONE overhead door closing device:

• Power size: 2 to 4 adjustable by template

- Function: Closing, latching
- Cover: Mini designer cover
- Maximum door width: 1,100 mm (Fig 1 and Fig 61), 950 mm (Fig 6)
- Maximum door weight: 80 kg (Fig 1 and Fig 61), 60 kg (Fig 6)
- Arm application: Fig 1, Fig 6 and Fig 61 fixing positions
- Successfully type tested for conformity to all the requirements of BS EN 1154:1997
- Door mount pull (Fig 1), transom mount push (Fig 61): 3 | 8 | 4/2 | 1\* | 1 | 3
- Door mount push (Fig 6): 3 | 8 | 3 | 1\* | 1 | 3
- Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.
- CE Marked: AD0095, UKCA Marked: AD7696
- Certifire approved: CF603, CE DOP: HUK0025, UKCA DOP: HUK0025-UK

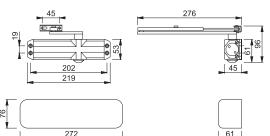


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Product ref.	Article description	Finish	Article no.
AR6900-D-SE	Door closer	SE	87105981
AR6900-D-PB	Door closer	PB	87105983
AR6900-D-SSS	Door closer	SSS	87105984
AR6900-D-PSS	Door closer	PSS	87105985

AR6900-D-SE/SE	Door closer and matching arm	SE	87106817
AR6900-D-SSS/SSS	Door closer and matching arm	SSS	87106820
AR6900-D-PB/PB	Door closer and matching arm	PB/PB	87106819
AR6900-D-PSS/SSS	Door closer and matching arm	PSS/SSS	87106821



Hold open arms sets available upon request





ARRONE overhead door closing device:

- Power size: 2 to 4 adjustable by template
- Function: Closing, latching
- Cover: Slide cover
- Maximum door width: 1,100 mm (Fig 1 and Fig 61), 950 mm (Fig 6)
- Maximum door weight: 80 kg (Fig 1 and Fig 61), 60 kg (Fig 6)
- Arm application: Fig 1, Fig 6 and Fig 61 fixing positions
- Successfully type tested for conformity to all the requirements of **BS EN 1154:1997** 
  - Door mount pull (Fig 1), transom mount push (Fig 61): 3 | 8 | 4/2 | 1\* | 1 | 3
- Door mount push (Fig 6): 3 | 8 | 3 | 1\* | 1 | 3
- Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors and 240 minutes on steel fire doors.
- CE Marked: AD0118, UKCA Marked: AD7682
- Certifire approved: CF295, CE DOP: HUK0020, UKCA DOP: HUK0020-UK



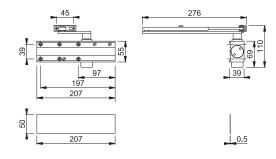
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Product ref.	Article description	Finish	Article no.
AR8200-SE	Door closer complete with slide cover and matching arm	SE	87106851
AR8200-GE	Door closer complete with slide cover and matching arm	GE	87106852

AR8200-BC-SE	Door closer with backcheck complete with slide cover and matching arm	SE	87106856
AR8200-BC-SSS	Door closer with backcheck complete with slide cover and matching arm	SSS	87106860

AR8200-ARM-HOA-SE Hold	pen arm only	SE	87103066
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ARRONE overhead door closing device:

- Power size: 2 to 4 adjustable by spring tension
- Function: Closing speed, backcheck, latching
- Cover: Radiused cover
- Maximum door width: 1,100 mm
- Maximum door weight: 80 kg
- Arm application: Fig 1, Fig 6 and Fig 61 fixing positions
- Successfully type tested for conformity to all the requirements of **BS EN 1154:1997** Door mount pull (Fig 1), door mount push (Fig 6), transom mount pull (Fig 61): 3 | 8 | 4/2 | 1\* | 1 | 4
- Included in a successful fire test to BS EN 1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors and 240 minutes on steel fire doors.
- CE Marked: AD0124, UKCA Marked: AD7683
- Certifire approved: CF294, CE DOP: HUK0001, UKCA DOP: HUK0001-UK
- The AR1500 can satisfy the opening force recommendations of BS 8300 and ADM when fitted in Fig 1 to a door with minimum width of 938 mm according to third party data. However other installed hardware, door seals and differential air pressure will affect the products as fitted performance meaning that the door closer alone cannot allow compliance to BS 8300 and ADM.

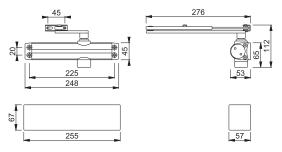


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Product ref.	Article description	Finish	Article no.
AR1500-SE	Door closer	SE	87115615
AR1500-PB	Door closer	PB	87107179
AR1500-SSS	Door closer	SSS	87107181
AR1500-PSS	Door closer	PSS	87107183

AR1500-SE/SE	Door closer and matching arm	SE	87115622
AR1500-PB/PB	Door closer and matching arm	PB	87107180
AR1500-SSS/SSS	Door closer and matching arm	SSS	87107182
AR1500-PSS/PSS	Door closer and matching arm	PSS	87107184



# The **complete** range.



AR3500-D-V/V

AR3500-D-E/E

AR3500-D-AG/AG

AR3500-D-DG/DG

AR3500-D-DW/DW



ARRONE overhead door closing device:

- Power size: 2 to 4 adjustable by spring tension
- Function: Closing, latching, backcheck
- Cover: Designer cover
- Maximum door width: 1,100 mm
- Maximum door weight: 80 kg
- Arm application: Fig 1, Fig 6 and Fig 61 fixing positions
- Successfully type tested for conformity to all the requirements of BS EN 1154:1997 - Door mount pull (Fig 1), door mount push (Fig 6), transom mount pull (Fig 61): 3 | 8 | 4/2 | 1\* | 1 | 4
- Included in a successful fire test to BS EN 1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors and 240 minutes on steel fire doors.
- CE Marked: AD0009, UKCA Marked: AD7695
- Certifire approved: CF294, CE DOP: HUK0019, UKCA Marked: HUK0019-UK
- $\bullet$  The AR3500 can satisfy the opening force recommendations of BS 8300 and ADM when fitted in Fig 1 to a door with minimum width of 938 mm according to third party data. However other installed hardware, door seals and differential air pressure will affect the products as fitted performance meaning that the door closer alone cannot allow compliance to BS 8300 and ADM.



certifire



87101080

11500256

87101073

87101074

87101059

F6016

F7016

F7506

F9016

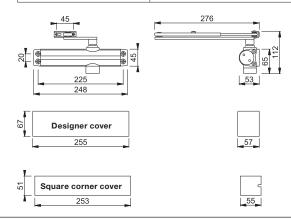
F9017

Product ref.	Article description	Finish	Article no.
AR3500-D-SE/SE	Door closer and matching arm	SE	87101066
AR3500-D-GE/GE	Door closer and matching arm	GE	87101067
AR3500-D-PB/PB	Door closer and matching arm	PB	87101068
AR3500-D-SSS/SSS	Door closer and matching arm	SSS	87101069
AR3500-D-PSS/PSS	Door closer and matching arm	PSS	87101070
AR3500-D-Y/Y	Door closer and matching arm	F1004	87101081
AR3500-D-R/R	Door closer and matching arm	F3003	87101078
AR3500-D-CL/CL	Door closer and matching arm	F3005	87101071
AR3500-D-CO/CO	Door closer and matching arm	F5002	87101072
AR3500-D-MB/MB	Door closer and matching arm	F5003	87101077

AR3500-S-SE	Door closer (square corner cover)	SE	87100233
AR3500-S-SE/SE	Door closer (square corner cover)	SE/SE	50001887
AR3500-S-BLK/BLK	Door closer (square corner cover)	BLK/BLK	50020699
AR3500-S-WHT/WHT	Door closer (square corner cover)	WHT/WHT	50020705

Door closer and matching arm

AR3500-ARM-HO-SE	Hold open arm only	SE	87103067
AR3500-ARM-HO-E	Hold open arm only	F9017	87102502
AR3500-DP-SE	Drop plate	SE	87104509





# **Door Controls**



# **AR8209**

ARRONE overhead door closing device:

• Power size: 2 to 4 adjustable by spring tension

- Function: Closing, latching, cushion stop
- Cover: Slide cover
- Maximum door width: 1,100 mm
- Maximum door weight: 80 kg
- Arm application: door mount pull, transom mount pull and push
- Successfully type tested for conformity to all the requirements of **BS EN 1154:1997** 
  - Door mount pull, transom mount pull: 4 | 8 | 4/2 | 1\* | 1 | 3
  - Transom mount push: 3 | 8 | 4/2 | 1\* | 1 | 3
- Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.
- CE Marked: AD0275, UKCA Marked: AD7686
- Certifire approved: CF770, CE DOP: HUK0027, UKCA DOP: HUK0027-UK

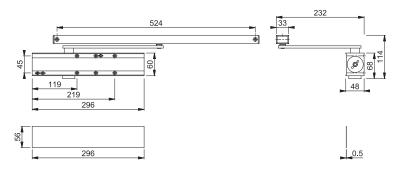


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Product ref.	Article description	Finish	Article no.
AR8209-SE	Door closer matching track, arm, slide cover	SE	87116128
AR8209-SSS	Door closer matching track, arm, slide cover	SSS	87116135

AR8209-HOA	Hold open arm kit	50001425



# The **complete** range.



# AR6409B (Box Cover)

ARRONE overhead door closing device:

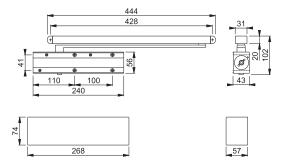
- Power size: 2 to 4 adjustable by spring tension
- Function: Closing, latching, backcheck
- Cover: Box cover

- Maximum door width: 1,100 mm
- Maximum door weight: 80 kg
- Arm application: door mount pull, transom mount push
- Successfully type tested for conformity to all the requirements of BS EN 1154:1997
  - Door mount pull side: 4 | 8 | 4/2 | 1\* | 1 | 3
  - Transom mount push side: 3 | 8 | 4/2 | 1\* | 1 | 3
- Included in a successful fire test to BS EN 1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.
- CE Marked: AD5284, UKCA Marked: AD7689
- Certifire approved: CF5430, CE DOP: HUK0065, UKCA DOP: HUK0065-UK



certifire

Product ref.	Article description	Finish	Article no.
AR6409B-BX-SE	Cam action slide arm door closer	SE	50008365
AR6409B-BX-SSS	Cam action slide arm door closer	SS	50008389



# **Applications**

# Standard Door Mount (Pull Side)

The most popular fitting position - closer mechanism is mounted onto the door leaf and the slide track mounted onto the door frame. Pull door towards you to open.



### Transom Mount (Push Side)

Used when closer mechanism cannot be mounted onto door leaf. mechanism is mounted onto the door frame and the slide track mounted onto the door. Push door away from you to open.





# AR6409G (Box cover)

ARRONE overhead door closing device:

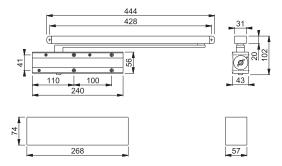
- Power size: 2 to 4 adjustable by spring tension
- Function: Closing, latching, backcheck
- Cover: Box cover
- Maximum door width: 1,100 mm
- Maximum door weight: 80 kg
- Arm application: door mount push, transom mount pull
- Successfully type tested for conformity to all the requirements of BS EN 1154:1997
- Door mount push side: 3 | 8 | 4/2 | 1\* | 1 | 3 Transom mount pull side: 4 | 8 | 4/2 | 1\* | 1 | 3
- Included in a successful fire test to BS EN 1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.
- CE Marked: AD5284, UKCA Marked: AD7689
- Certifire approved: CF5430, CE DOP: HUK0065, UKCA DOP: HUK0065-UK



certifire



Product ref.	Article description	Finish	Article no.
AR6409G-BX-SE	Cam Action Slide Arm Closer	SE	50008377
AR6409G-BX-SSS	Cam Action Slide Arm Closer	SSS	50008390



# **Applications**

# Transom Mount (Pull Side)

Used when closer mechanism cannot be mounted onto door leaf. mechanism is mounted onto the door frame and the slide track mounted onto the door. Pull door towards from you to open.



### Standard Door Mount (Push Side)

Closer mechanism is mounted onto the door leaf and the slide track mounted onto the door frame. Push door away from you to open.



# The **complete** range.



# AR6409B (Slimline cover)

ARRONE overhead door closing device:

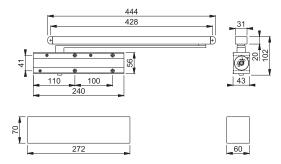
- Power size: 2 to 4 adjustable by spring tension
- Function: Closing, latching, backcheck
- Cover: Slimline cover
- Maximum door width: 1,100 mm
- Maximum door weight: 80 kg
- Arm application: door mount pull, transom mount push
- Successfully type tested for conformity to all the requirements of BS EN 1154:1997
  - Door mount pull side: 4 | 8 | 4/2 | 1\* | 1 | 3
  - Transom mount push side,: 3 | 8 | 4/2 | 1\* | 1 | 3
- Included in a successful fire test to BS EN 1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.
- CE Marked: AD5284, UKCA Marked: AD7689
- Certifire approved: CF5430; CE DOP: HUK0065, UKCA DOP: HUK0065-UK



certifire



Product ref.	Article description	Finish	Article no.
AR6409B-L-SE	Cam Action Slide Arm Closer	SE	50008407
AR6409B-L-SSS	Cam Action Slide Arm Closer	SSS	50008420



# **Applications**

# Standard Door Mount (Pull Side)

The most popular fitting position - closer mechanism is mounted onto the door leaf and the slide track mounted onto the door frame. Pull door towards you to open.



### Transom Mount (Push Side)

Used when closer mechanism cannot be mounted onto door leaf. mechanism is mounted onto the door frame and the slide track mounted onto the door. Push door away from you to open.





# AR6409G (Slimline cover)

ARRONE overhead door closing device:

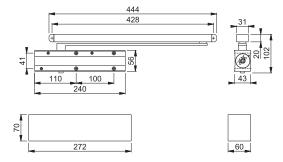
- Power size: 2 to 4 adjustable by spring tension
- Function: Closing, latching, backcheck
- Cover: Slimline cover
- Maximum door width: 1,100 mm
- Maximum door weight: 80 kg
- Arm application: door mount push, transom mount pull
- Successfully type tested for conformity to all the requirements of BS EN 1154:1997
- Door mount push side: 3 | 8 | 4/2 | 1\* | 1 | 3 Transom mount pull side: 4 | 8 | 4/2 | 1\* | 1 | 3
- Included in a successful fire test to BS EN 1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.
- CE Marked: AD5284, UKCA Marked: AD7689
- Certifire approved: CF5430, CE DOP: HUK0065, UKCA DOP: HUK0065-UK



certifire



Product ref.	Article description	Finish	Article no.
AR6409G-L-SE	Cam Action Slide Arm Closer	SE	50008419
AR6409G-L-SSS	Cam Action Slide Arm Closer	SSS	50008432



# **Applications**

### Transom Mount (Pull Side)

Used when closer mechanism cannot be mounted onto door leaf. mechanism is mounted onto the door frame and the slide track mounted onto the door. Pull door towards from you to open.



# Standard Door Mount (Push Side)

Closer mechanism is mounted onto the door leaf and the slide track mounted onto the door frame. Push door away from you to open.





# AR6509B (Box cover)

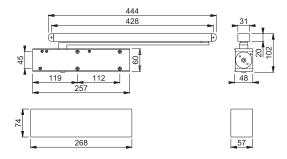
ARRONE overhead door closing device:

- Power size: 2 to 5 adjustable by spring tension
- Function: Closing, latching, backcheck, delayed action
- Cover: Box cover
- Maximum door width: 1,250 mm
- Maximum door weight: 100 kg
- Arm application: door mount pull, transom mount push
- Successfully type tested for conformity to all the requirements of BS EN 1154:1997
  - Door mount pull side: 4 | 8 | 5/2 | 1\* | 1 | 3
  - Transom mount push side: 3 | 8 | 5/2 | 1\* | 1 | 3
- Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.
- CE Marked: AD5285, UKCA Marked: AD7690
- Certifire approved: CF5430, CE DOP: HUK0066, UKCA DOP: HUK0066



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Product ref.	Article description	Finish	Article no.
AR6509B-BX-SE	Cam Action Slide Arm Closer	SE	50008444
AR6509B-BX-SSS	Cam Action Slide Arm Closer	SSS	50008523



# **Applications**

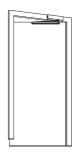
# Standard Door Mount (Pull Side)

The most popular fitting position – closer mechanism is mounted onto the door leaf and the slide track mounted onto the door frame. Pull door towards you to open.



### **Transom Mount (Push Side)**

Used when closer mechanism cannot be mounted onto door leaf. mechanism is mounted onto the door frame and the slide track mounted onto the door. Push door away from you to open.





# AR6509G (Box cover)

ARRONE overhead door closing device:

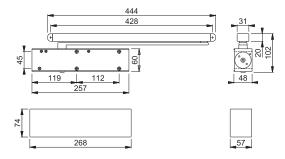
- Power size: 2 to 5 adjustable by spring tension
- Function: Closing, latching, backcheck, delayed action
- Cover: Box cover
- Maximum door width: 1,250 mm
- Maximum door weight: 100 kg
- Arm application: door mount push, transom mount pull
- Successfully type tested for conformity to all the requirements of BS EN 1154:1997
- Door mount push side: 3 | 8 | 5/2 | 1\* | 1 | 3 Transom mount pull side: 4 | 8 | 5/2 | 1\* | 1 | 3
- Included in a successful fire test to BS EN 1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.
- CE Marked: AD5285, UKCA Marked: AD7690
- Certifire approved: CF5430, CE DOP: HUK0066, UKCA DOP: HUK0066



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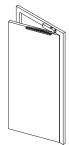
• •			
Product ref.	Article description	Finish	Article no.
AR6509G-BX-SE	Cam Action Slide Arm Closer	SE	50008456
AR6509G-BX-SSS	Cam Action Slide Arm Closer	SSS	50008535



# **Applications**

### Transom Mount (Pull Side)

Used when closer mechanism cannot be mounted onto door leaf. mechanism is mounted onto the door frame and the slide track mounted onto the door. Pull door towards from you to open.



# Standard Door Mount (Push Side)

Closer mechanism is mounted onto the door leaf and the slide track mounted onto the door frame. Push door away from you to open.







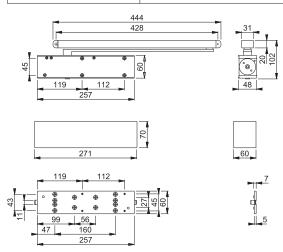
ARRONE overhead door closing device:

- Power size: 2 to 5 adjustable by spring tension
- Function: Closing, latching, backcheck, delayed action
- Cover: Slimline cover
- Maximum door width: 1,250 mm
- Maximum door weight: 100 kg
- Arm application: door mount pull, transom mount push
- Successfully type tested for conformity to all the requirements of BS EN 1154:1997
  - Door mount pull side: 4 | 8 | 5/2 | 1\* | 1 | 3
  - Transom mount push side: 3 | 8 | 5/2 | 1\* | 1 | 3
- Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.
- CE Marked: AD5284, UKCA Marked: AD7690
- Certifire approved: CF5430, CE DOP: HUK0066, UKCA DOP: HUK0066-UK



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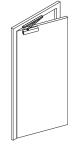
Product ref.	Article description	Finish	Article no.
AR6509B-L-SE	Cam Action Slide Arm Closer	SE	50008468
AR6509B-L-SSS	Cam Action Slide Arm Closer	SSS	50008547



# **Applications**

# Standard Door Mount (Pull Side)

The most popular fitting position – closer mechanism is mounted onto the door leaf and the slide track mounted onto the door frame. Pull door towards you to open.



# **Transom Mount (Push Side)**

Used when closer mechanism cannot be mounted onto door leaf. mechanism is mounted onto the door frame and the slide track mounted onto the door. Push door away from you to open.





# AR6509G (Slimline cover)

ARRONE overhead door closing device:

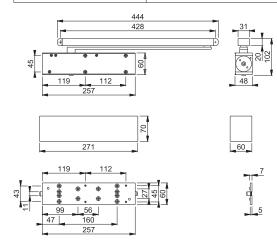
- Power size: 2 to 5 adjustable by spring tension
- Function: Closing, latching, backcheck, delayed action
- Cover: Slimline cover
- Maximum door width: 1,250 mm
- Maximum door weight: 100 kg
- Arm application: door mount push, transom mount pull
- Successfully type tested for conformity to all the requirements of BS EN 1154:1997
- Door mount push side: 3 | 8 | 5/2 | 1\* | 1 | 3 Transom mount pull side: 4 | 8 | 5/2 | 1\* | 1 | 3
- Included in a successful fire test to BS EN 1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.
- CE Marked: AD5285, UKCA Marked: AD7690
- Certifire approved: CF5430, CE DOP: HUK0066, UKCA DOP: HUK0066-UK



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Product ref.	Article description	Finish	Article no.
AR6509G-L-SE	Cam Action Slide Arm Closer	SE	50008475
AR6509G-L-SSS	Cam Action Slide Arm Closer	SSS	50008559



# **Applications**

# Transom Mount (Pull Side)

Used when closer mechanism cannot be mounted onto door leaf. mechanism is mounted onto the door frame and the slide track mounted onto the door. Pull door towards from you to open.



# Standard Door Mount (Push Side)

Closer mechanism is mounted onto the door leaf and the slide track mounted onto the door frame. Push door away from you to open.



# Cam action door closer - Accessories

Product ref.	Article description	Finish	Article no.
AR6409/6509-STAY	Cushion Limiting Stay		50008730
AR6309/6409/6509	Hold Open Kit Only		50008754
AR6309/6409/6509- ANG/BKT-SE	Slide Track Angled Bracket	SE	50015217



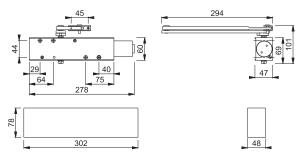
# **AR1998**

ARRONE overhead electromagnetic door closing device:

- Fixed power size 4
- Function: Closing, latching, electro hold open, electro swing free
- Cover: Slimline cover
- Maximum door width: 1,100 mm (Fig 1), 950 mm (Fig 6)
- Maximum door weight: 80 kg (Fig 1), 60 kg (Fig 6)
- Arm application: Fig 1 and Fig 6 fixing positions
- Successfully type tested for conformity to all the requirements of BS EN 1154:1997
- Door mount pull side: 3 | 8 | 4 | 1\* | 1 | 3
- Door mount push side: 3 | 8 | 3 | 1\* | 1 | 3
- Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.
- CE Marked: AE0017, UKCA Marked: AD7697
- CE DOP: HUK0006-1 ( Fig 1), HUK0006-2 ( Fig 6), UKCA DOP: HUK0006-1-UK (Fig 1), HUK0006-2-UK (Fig 6)













ARRONE overhead concealed door closing device:

- Power size: 2 to 4 adjustable by spring tension
- Function: Closing, latching, cushion stop
- Cover: no cover
- Maximum door width: 1,100 mm
- Maximum door weight: 80 kg
- Arm application: door mount concealed, transom mount concealed
- Successfully type tested for conformity to all the requirements of **BS EN 1154:1997** Door mount pull side, transom mount pull side: 3 | 8 | 4/2 | 1\* | 1 | 3
- Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.
- CE Marked: AD5071, UKCA Marked AD7687
- Certifire approved: CF5181, CE DOP: HUK0026, UKCA DOP: HUK0026-UK
- The AR7383 can satisfy the opening force recommendations of BS 8300 and ADM when fitted to a door with minimum width of 777 mm (standard mount) and 796 mm (transom mount) according to third party data. However other installed hardware, door seals and differential air pressure will affect the products as fitted performance meaning that the door closer alone cannot allow compliance to BS 8300 and ADM.



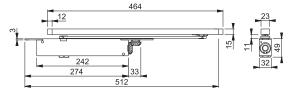
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Product ref.	Article description	Finish	Article no.
AR7383-SE	Concealed door closer	SE	87141202
AR7383-SNP	Concealed door closer	SNP	87141216
AR7383-PC	Concealed door closer	PC	87141223
AR7383-BLK	Concealed door closer	BLK	50013014
AR7383-SBR	Concealed door closer	SBR	50014043

AR7383-KIT-SE	Concealed door closer kit, complete with	SE	50002478
	intumescent pack		
AR7383-KIT-SNP	Concealed door closer kit, complete with	SNP	50002485
	intumescent pack		
AR7383-KIT-PC	Concealed door closer kit, complete with	PC	50002491
	intumescent pack		

AR/INT-7383	Intumescent kit to suit AR7383	87141209
AR7383-HOA-KIT	Hold open kit	87141139
AR7383-CUSH/STOP	CUSH/STOP	50014328
AR7383-GUIDE	Concealed door closer track guide to suit the AR7383	50002120







ARRONE overhead door closing device:

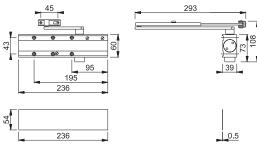
- Power size: 3 to 5 adjustable by spring tension (Size 2 by template)
- Function: Closing, latching, backcheck
- Cover: Slide cover
- Maximum door width: 1,250 mm (Fig 1), 1,100 mm (Fig 6 and Fig 61)
- Maximum door weight: 100 kg (Fig 1), 80 kg (Fig 6 and Fig 61)
- Arm application: Fig 1, Fig 6 and Fig 61 fixing positions
  Successfully type tested for conformity to all the requirements of BS EN 1154:1997
- Door mount pull (Fig 1): 4 | 8 | 5/2 | 1\* | 1 | 4 | Door mount push (Fig 6): 3 | 8 | 4/3 | 1\* | 1 | 4
- Transom mount push (Fig 61): 4 | 8 | 4/2 | 1\* | 1 | 4
- Included in a successful fire test to BS EN 1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors and 240 minutes on steel fire doors.
- CE Marked: AD0239, UKCA Marked: AD7685
- Certifire approved: CF295, CE DOP: HUK0005, UKCA DOP: HUK0005-UK



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Product ref.	Article description	Finish	Article no.
AR5200-SE	Door closer matching arm	SE	87112570
45	293 Ho	old open arr	ns sets available



upon request

# **Door Controls**



# **AR5500**

ARRONE overhead door closing device:

• Power size: 3 to 5 adjustable by spring tension (Size 2 by template)

• Function: Closing, latching, backcheck

• Cover: Slimline cover

• Maximum door width: 1,250 mm (Fig 1), 1,100 mm (Fig 6 and Fig 61)

• Maximum door weight: 100 kg (Fig 1), 80 kg (Fig 6 and Fig 61)

• Arm application: Fig 1, Fig 6 and Fig 61 fixing positions

• Successfully type tested for conformity to all the requirements of BS EN 1154:1997

- Door mount pull (Fig 1): 4 | 8 | 5/2 | 1\* | 1 | 4 - Door mount push (Fig 6): 3 | 8 | 4/3 | 1\* | 1 | 4

- Transom mount push (Fig 61): 4 | 8 | 4/2 | 1\* | 1 | 4

• Included in a successful fire test to BS EN 1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors and 240 minutes on steel fire doors.

• CE Marked: AD0239, UKCA Marked: AD7685

• Certifire approved: CF295, CE DOP: HUK0005, UKCA DOP: HUK0005-UK

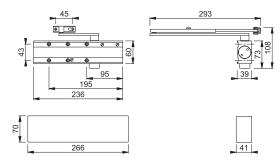


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Product ref.	Article description	Finish	Article no.
AR5500-L-SE/SE	Door closer and matching arm	SE	87113186
AR5500-L-SSS/SSS	Door closer and matching arm	SSS	87113200
AR5500-L-PSS/PSS	Door closer and matching arm	PSS	87113144
AR5500-L-PB/PB	Door closer and matching arm	PB	87113130
AR5500-L-PC/PC	Door closer and matching arm	PC	89002373
AR5500-L-SSS/SSS	Door closer 304 cover and matching arm	SSS	89002394





#### **AR8300**

ARRONE door closing device:

- Power size: 2 to 5 adjustable by spring tension
- Function: Closing speed, latching speed
- Cover: Slimline cover
- Maximum door width: 1,250 mm
- Maximum door weight: 100 kg
- Arm application: Fig 1, Fig 6 & Fig 61 fixing positions
- Successfully type tested for conformity to all the requirements of **BS EN 1154:1997** 
  - Door mount pull side: 3 | 8 | 5/2 | 1\* | 1 | 3 Door mount push side: 3 | 8 | 3 | 1\* | 1 | 3
- Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30, 60 and 120 timber fire doors
- CE Marked: AD0136
- Certifire approved: CF494; DOP: HUK0028
- Conformity statement: The AR 8300 can satisfy the opening force recommendations of BS 8300 and ADM when fitted in Fig 1 to a door with minimum width of 815 mm according to third party data. However other installed hardware, door seals and differential air pressure will affect the products as fitted performance meaning that the door closer alone cannot allow compliance to **BS 8300** and ADM.



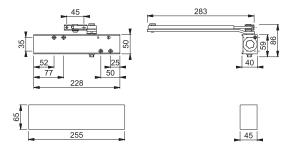
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Product ref.	Article description	Finish	Article no.
AR8300-L-SE/SE	Door closer and matching arm	SE	87132389
AR8300-L-SSS/SSS	Door closer and matching arm	SSS	87132368

AR8300BC-L-SSS	Door closer with backcheck	SSS	87132396

Contact sales for availability





### **Door Controls**



#### **AR9200**

ARRONE overhead door closing device:

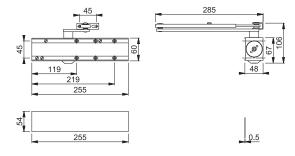
- Power size: 2 to 6 adjustable by spring tension
- Function: Closing speed, latching speed, back check
- Cover: Slide cover
- Maximum door width: 1400 mm (Fig 1)
- Maximum door weight: 120 kg (Fig 1)
- Arm application: Fig 1 and Fig 6 & Fig 61 fixing positions
- Testing: **BS EN 1154:1997; BS EN 1634** Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors
- $\bullet$  Door mount pull (Fig 1), Frame mount push (Fig 61): 4 | 8 | 6/2 | 1\* | 1 | 3
- - Door mount push (Fig 6): 4 | 8 | 3/5 | 1\* | 1 | 3
- CE Marked: AD0162, UKCA Marked: AD7684
- Certifire approved: CF295; CE DOP: HUK0029, UKCA DOP: HUK0029-UK



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Product ref.	Article description	Finish	Article no.
AR9200-SE	Door closer and matching arm	SE	87109286





#### **AR9500SD**



ARRONE overhead door closer:

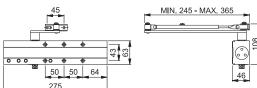
- Power size: 2 to 6 adjustable by spring tension
- Function: Closing speed, latching speed, back check
- Cover: Slide cover
- Arm application: Fig 1, Fig 6 and Fig 61 fixing positions
- Maximum door width: 1400 mm (Fig 1 & Fig 61), 1100 mm (Fig 6)
- Maximum door weight: 120 kg (Fig 1 & Fig 61), 100 kg (Fig 6)
- Testing: BS EN 1154:1997
- Door mount pull (Fig 1): 4 | 8 | 6/2 | 1\* | 1 | 3 Door mount push (Fig 6): 3 | 8 | 5/2 | 1\* | 1 | 3
- Transom mount (Fig 61): 4 | 8 | 6/2 | 1\* | 1 | 3
- Included in a successful fire test to BS EN 1634 Part 1. Assessed for use on up to 240 minute Steel un-insulated fire doors.
- CE Marked: AD5473, UKCA Marked: AD7693





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Product ref.	Article description	Finish	Article no.
AR9500SD-SE	Door closer and matching arm	SE	50017809



### **Door Controls**



#### **AR5500SD**

ARRONE overhead door closer:

- Power size: 2 to 5 adjustable by spring tension
- Function: Closing speed, latching speed, back check
- Cover: Slide cover
- Arm application: Fig 1 and Fig 6 fixing positions
- Maximum door width: 1250 mm (Fig 1), 1100 mm (Fig 6)
- Maximum door weight: 100 kg (Fig 1), 80 kg (Fig 6)
- Testing: BS EN 1154:1997

Door mount pull (Fig 1): 3 | 8 | 5/2 | 1\* | 1 | 3 Door mount push (Fig 6): 4 | 8 | 4/2 | 1\* | 1 | 3

• Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on up to 240 minute Steel un-insulated fire doors.

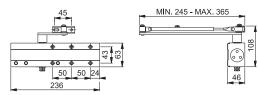






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Product ref.	Article description	Finish	Article no.
AR5500SD-SE	Door closer and matching arm	SE	50018590



# ARRONE® The complete range.

#### AR9500SD-L



ARRONE overhead door closer:

- Power size: 2 to 6 adjustable by spring tension
- Function: Closing speed, latching speed, back check
- Cover: Semi radius cover
- Arm application: Fig 1, Fig 6 and Fig 61 fixing positions
- Maximum door width: 1400 mm (Fig 1 & Fig 61), 1100 mm (Fig 6)
- Maximum door weight: 120 kg (Fig 1 & Fig 61), 100 kg (Fig 6)

• Testing: **BS EN 1154:1997** 

Door mount pull (Fig 1): 4 | 8 | 6/2 | 1\* | 1 | 3 Door mount push (Fig 6): 3 | 8 | 5/2 | 1\* | 1 | 3 Transom mount (Fig 61): 4 | 8 | 6/2 | 1\* | 1 | 3

• Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on up to 240 minute Steel un-insulated fire doors.

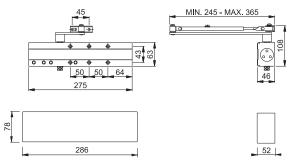






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Product ref.	Article description	Finish	Article no.
AR9500SD-L-SSS/SSS	Door closer and matching arm	SSS/SSS	50019818



A4 Stainless Steel cover and armset are covered by 1000 hours neutral salt spray testing.

## Floor Spring



#### **AR700 - Single Action**

ARRONE floor spring:

- Fixed power size 3
- Function: Closing, latching speed
- Cover: Mechanism cover
- Maximum door width: 950 mm
- Maximum door weight: 60 kg
- Suitable for single action doors
- • Successfully type tested for conformity to all the requirements of **BS EN 1154:1997** -  $3 \mid 8 \mid 3 \mid 1^* \mid 1 \mid 3$
- Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30 and 60 minutes timber fire doors and 120 minutes on steel fire doors.
- CE Marked: AD0314, UKCA Marked: AD7681
- Certifire approved: CF5029, CE DOP: HUK0002, UKCA DOP: HUK0002-UK



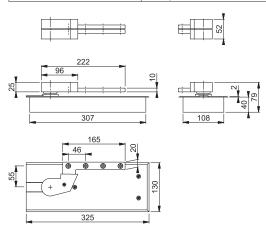
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Product ref.	Article description	Finish	Article no.
AR700-3-SA-SSS	Single action size 3 floor spring	SSS	87135126
AR700-4-SA-SSS	Single action size 4 floor spring	SSS	87135168

AR-INT-700-SA	Intumescent pack to suit single action floor	87138206
	spring	





#### **AR700 - Double Action**



ARRONE floor spring:

- Fixed power size 3
- Function: Closing, latching speed
- Cover: Mechanism cover
- Maximum door width: 1,100 mm
- Maximum door weight: 80 kg
- Suitable for double action doors
- • Successfully type tested for conformity to all the requirements of **BS EN 1154:1997** -  $3 \mid 8 \mid 4 \mid 1^* \mid 1 \mid 3$
- Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30 and 60 minutes timber fire doors and 120 minutes on steel fire doors.
- CE Marked: AD0314, UKCA Marked: AD7681
- Certifire approved: CF5029, CE DOP: HUK0002, UKCA DOP: HUK0002-UK

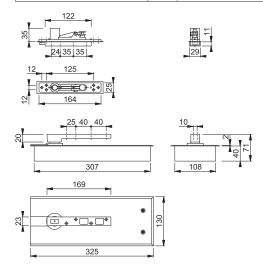


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Product ref.	Article description	Finish	Article no.
AR700-3-DA-SSS	Double action size 3 floor spring	SSS	87135147
AR700-4-DA-SSS	Double action size 4 floor spring	SSS	87135189

AR-INT-700-DA	Intumescent pack to suit double action floor	87138213
	spring	



## Floor Spring



#### **AR760**

ARRONE floor spring:

- Power size: 1 to 4 adjustable by spring tension
- Function: Closing, latching speed
- Maximum door width: 1,100 mm
- Maximum door weight: 80 kg
- Suitable for double action doors (supplied complete with accessory pack consisting of adjustable top centre, top and bottom strap)
- Successfully type tested for conformity to all the requirements of **BS EN 1154:1997** 3 | 8 | 4/1 | 1\* | 1 | 4
- Included in a successful fire test to BS EN 1634 Part 1. Assessed for use on 30, 60 and 120 minute timber fire doors.
- CE Marked: AD5347
- CPR Declaration of Conformity Certificate: HUK0067

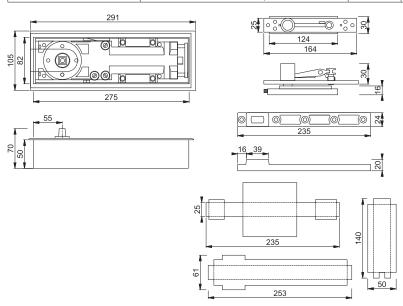


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Product ref.	Article description	Finish	Article no.
AR760-DA-SSS	Power Adjustable Floor Spring 1-4, Double Action	SSS	50011303
AR760HO-DA-SSS	Power Adjustable Floor Spring 1-4, Double Action Mechanical Hold Open	SSS	50013129



Mechanical Hold open unit NOT suitable for use on fire doors

12

# ARRONE® The complete range.





ARRONE heavy - duty floor spring:

• Power size: 1 to 4 adjustable by spring tension

• Function: Closing, latching speed

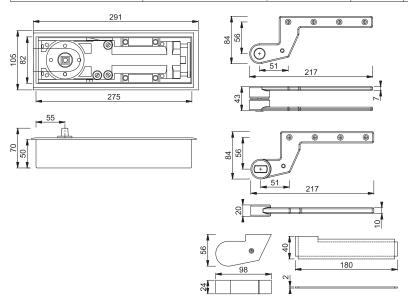
- Mechanism: Cam Mechanism
- Maximum door width: 1100 mm
- Maximum door weight: 80 kg
- Maximum opening angle: 170°
- Single or double action
- Successfully type tested for conformity to all the requirements of **BS EN 1154**: -3 | 8 | 4 | 1 | 1\* | 1 | 4
- Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on up to 120 minute timber fire doors.
- CE Marked: AD5347
- CPR Declaration of Conformity Certificate: HUK0067



certifire



Product ref.	Article description	Finish	Article no.
AR760-SA-SSS	Power Adjustable Floor Spring 1-4, Single Action	SSS	50011297
AR760HO-SA-SSS	Power Adjustable Floor Spring 1-4, Single	SSS	50013117



Mechanical Hold open unit NOT suitable for use on fire doors

## Floor pivot and door limiting stay



#### **AR226**

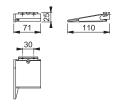
ARRONE door selector:

- Suitable for use with power size 3 to 5 closers
- Suitable for use on timber and metal doors up to 1220 mm wide
- Suitable for door rebates up to 25 mm
- Extra length rebate arms and finishes available to special request
- $\bullet$  Successfully type tested for conformity to all the requirements of  $\mbox{\bf BS}$   $\mbox{\bf EN}$  1158
- Testing: Compliant with BS EN 1634 Pt.1:2014 for 30, 60, 90 and 120 minute timber fire doors and FD240 minute steel fire doors and certified for ANSI/UL10C.
- CE Marked: AF5007, UKCA Marked AF7699
- Certifire Approved: CE DOP: HUK0004, UKCA DOP: HUK0004-UK



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Product ref.	Article description	Finish	Article no.
AR226-MK2-SE	Door selector	SE	87102975



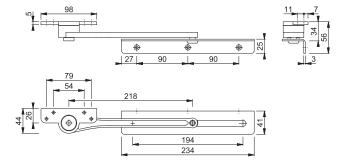




ARRONE door limiting stay:

• Door limiting stay (90 degree)

Product ref.	Article description	Finish	Article no.
AR891-SE	Door limiting stay	SE	87106001









square forend



**AR910** 

ARRONE mortice sashlock case:

- Function: Latch bolt and deadbolt operation
- Deadbolt projection: 21 mm, single throw
- Forend/strike material: Stainless steel
- Forend type: Single
- CE Marked: AG0067, UKCA Marked: AG7668
- BS EN 12209: 3 | X | 8 | 1\* | 0 | G | 4 | B | A | 3 | 0
- Certifire approved: CF530, CE DOP: HUK0007, UKCA DOP: HUK007-UK
- Testing: BS EN 1634-1. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- Meets dimensional recommendations of **BS 8300** and ADM for locks
- \* The AR910 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.

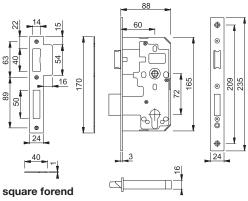


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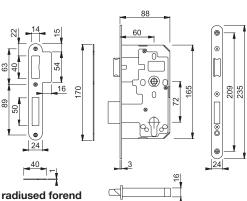
Product ref.	Article description	Finish	Article no.
AR910-S-60-SSS	Mortice sashlock case (60 mm backset, square forend)	SSS	87107853
AR910-S-60-PSS	Mortice sashlock case (60 mm backset, square forend)	PSS	87107854
AR910-S-60-PB	Mortice sashlock case (60 mm backset, square forend)	PB	87107855
AR910-S-80-SSS	Mortice sashlock case (80 mm backset, square forend)	SSS	87117085

AR910-R-60-SSS	Mortice sashlock case	SSS	87107856
	(60 mm backset, radiused forend)		
AR910-R-60-PSS	Mortice sashlock case	PSS	87107857
	(60 mm backset, radiused forend)		
AR910-R-60-PB	Mortice sashlock case	PB	87107858
	(60 mm backset, radiused forend)		
AR910-R-80-SSS	Mortice sashlock case	SSS	87117078
	(80 mm backset, radiused forend)		



For suitable rebate sets, see page 247

For Intumescent kits, see page 248









#### **AR910**

ARRONE mortice sashlock case:

- Function: Latch bolt and deadbolt operation
- Deadbolt projection: 15 mm, single throw
  Forend/strike material: Steel satin chrome plated
- Forend type: Single
- Forend shape: Radius
- CE Marked: AG0067, UKCA Marked: AG7668
- Certifire approved: CF530, CE DOP: HUK0007, UKCA DOP: HUK0007-UK
- Testing: **BS EN 1634-1**. Assessed for use on 30 and 60 minute timber fire doors

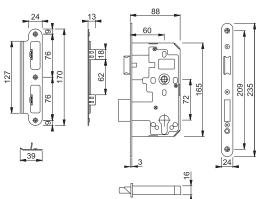


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Product ref.	Article description	Finish	Article no.
AR910/ADJ-OEM-R-60- SSS	Mortice sashlock with adjustable strike plate	SSS	50015655



Sold in cartons of 25 units.

For suitable rebate sets, see page 247

For intumescent pack see page 300



square forend



#### **AR911**

ARRONE mortice latch case:

- Function: Latch bolt operation
- Forend/strike material: Stainless steel
- Forend type: Single
- CE Marked: AG0067, UKCA Marked: AG7668
- **BS EN 12209**:  $3 \mid X \mid 8 \mid 1^* \mid 0 \mid G \mid$   $\mid B \mid 0 \mid 3 \mid 0$
- Certifire approved: CF530, CE DOP: HUK0009, UKCA DOP: HUK0009-UK
- Testing: BS EN 1634-1. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- Meets dimensional recommendations of **BS 8300** and ADM for locks
- \* The AR911 series lock case has been successfully fire tested with the use of an
  intumescent kit. The supply and fitting of this intumescent kit is essential to the
  products compliance with the fire test and CE marking evidence it has gained.
   HOPPE takes no responsibility for any locks purchased and fitted without sufficient
  intumescent protection.



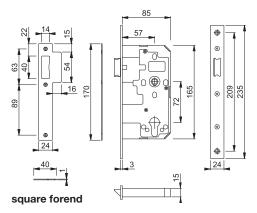
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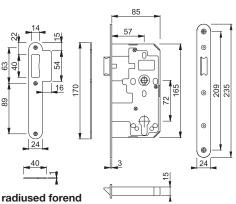


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Product ref.	Article description	Finish	Article no.
AR911-S-60-SSS	Mortice latch case (60 mm backset, square forend)	SSS	87107859
AR911-S-60-PSS	Mortice latch case (60 mm backset, square forend)	PSS	87107860
AR911-S-60-PB	Mortice latch case (60 mm backset, square forend)	PB	87107861
AR911-S-80-SSS	Mortice latch case (80 mm backset, square forend)	SSS	50001772

AR911-R-60-SSS	Mortice latch case	SSS	87107862
	(60 mm backset, radiused forend)		
AR911-R-60-PSS	Mortice latch case	PSS	87107863
	(60 mm backset, radiused forend)		
AR911-R-60-PB	Mortice latch case	PB	87107864
	(60 mm backset, radiused forend)		
AR911-R-80-SSS	Mortice latch case	SSS	87142637
	(80 mm backset, radiused forend)		





For suitable rebate sets, see page 247

For Intumescent kits, see page 248





ARRONE mortice latch case:

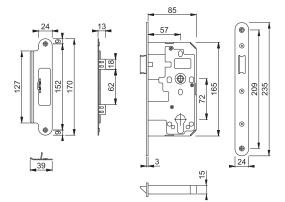
- Function: Latch bolt operation
- Forend/strike material: Stainless steel
- Strike: Adjustable
- Forend type: Single
- CE Marked: AG5175, UKCA Marked: AG7668
- **BS EN 12209**: 3 | X | 8 | 1\* | 0 | G | | B | 0 | 3 | 0
- Certifire approved: CF530, CE DOP: HUK0009, UKCA DOP: HUK0009-UK
- Testing: **BS EN 1634-1**. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- $\bullet$  Meets dimensional recommendations of BS 8300 and ADM for locks
- \* The AR911 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained.
   HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.



certifire



Product ref.	Article description	Finish	Article no.
AR911/ADJ-OEM-R-60- SSS	Mortice latch with adjustable strike plate	PSS	50018139



Sold in cartons of 25 units.

For suitable rebate sets, see page 247

For intumescent pack see page 300

10



square forend



radiused forend

#### **AR912**

ARRONE mortice deadlock case:

- Function: Deadbolt operation
- Deadbolt projection: 21 mm, single throw
- Forend/strike material: Stainless steel
- Forend type: Single
- CE Marked: AG0068, UKCA Marked: AG7669
- Certifire approved: CF530, CE DOP: HUK0008, UKCA DOP: HUK0008-UK
   BS EN 12209: 3 | X | 8 | 1\* | 0 | G | 4 | B | A | 0 | 0
- Testing: **BS EN 1634-1**. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- Meets dimensional recommendations of BS 8300 and ADM for locks
- \* The AR912 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.

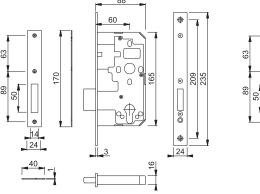


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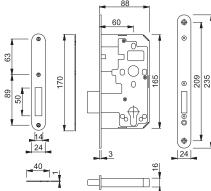


Product ref.	Article description	Finish	Article no.
AR912-S-60-SSS	Mortice deadlock case (60 mm backset, square forend)	SSS	87107865
AR912-S-60-PSS	Mortice deadlock case (60 mm backset, square forend)	PSS	87107866
AR912-S-60-PB	Mortice deadlock case (60 mm backset, square forend)	PB	87107867
AR912-S-80-SSS	Mortice deadlock case (80 mm backset, square forend)	SSS	50001711
AR912-S-80-PSS	Mortice deadlock case (80 mm backset, square forend)	PSS	50001735
AR912-S-80-PB	Mortice deadlock case (80 mm backset, square forend)	PB	50001759

AR912-R-60-SSS	Mortice deadlock case	SSS	87107868
	(60 mm backset, radiused forend)		
AR912-R-60-PSS	Mortice deadlock case	PSS	87107869
	(60 mm backset, radiused forend)		
AR912-R-60-PB	Mortice deadlock case	PB	87107870
	(60 mm backset, radiused forend)		
AR912-R-80-SSS	Mortice deadlock case	SSS	50001723
	(80 mm backset, radiused forend)		
AR912-R-80-PSS	Mortice deadlock case	PSS	50001747
	(80 mm backset, radiused forend)		
AR912-R-80-PB	Mortice deadlock case	PB	50001760
	(80 mm backset, radiused forend)		



square forend



radiused forend

For suitable rebate sets, see page 247

For Intumescent kits, see page 248

certifire

# The **complete** range.

square forend



#### **AR913**

ARRONE mortice bathroom lock:

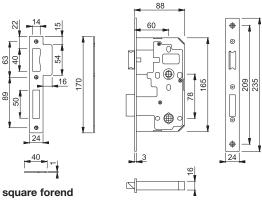
- Function: Latch bolt and deadbolt operation
- Deadbolt projection: 15 mm, single throw
- 8 mm bathroom follower with 5 mm adaptor supplied
- Forend/strike material: Stainless steel
- Forend type: Single
- CE Marked: AG0067, UKCA Marked: AG7668
- **BS EN 12209**: 3 | X | 8 | 1\* | 0 | G | | B | 0 | 3 | 0
- Certifire approved: CF530, CE DOP: HUK0010, UKCA DOP: HUK0010-UK
- Testing: **BS EN 1634-1**. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- Meets dimensional recommendations of BS 8300 and ADM for locks
- $\bullet$  \* The AR913 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.





Product ref.	Article description	Finish	Article no.
AR913-S-60-SSS	Mortice bathroom lock (60 mm backset, square forend)	SSS	87107871
AR913-S-60-PSS	Mortice bathroom lock (60 mm backset, square forend)	PSS	87107872
AR913-S-60-PB	Mortice bathroom lock (60 mm backset, square forend)	PB	87107873
AR913-S-80-SSS	Mortice bathroom lock (80 mm backset, square forend)	SSS	87117099

AR913-R-60-SSS	Mortice bathroom lock (60 mm backset, radiused forend)	SSS	87107874
AR913-R-60-PSS	Mortice bathroom lock (60 mm backset, radiused forend)	PSS	87107875
AR913-R-60-PB	Mortice bathroom lock (60 mm backset, radiused forend)	PB	87107876
AR913-R-80-SSS	Mortice bathroom lock (80 mm backset, radiused forend)	SSS	87117092



| 16

radiused forend

For suitable rebate sets, see page 247

For Intumescent kits, see page 248



#### **AR913**

ARRONE mortice bathroom lock:

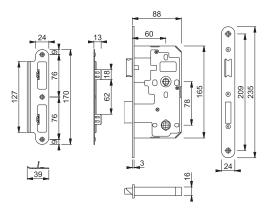
- Function: Latch bolt and deadbolt operation
- Deadbolt projection: 15 mm, single throw
- 8 mm bathroom follower with 5 mm adaptor supplied
- Forend/strike material: Stainless steel
- Forend type: Single
- CE Marked: AG0067, UKCA Marked: AG7668
  - **BS EN 12209**: 3 | X | 8 | 1\* | 0 | G | | B | 0 | 3 | 0
- Certifire approved: CF530, CE DOP: HUK0010, UKCA DOP: HUK0010-UK
- Testing: **BS EN 1634-1**. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- Meets dimensional recommendations of **BS 8300** and ADM for locks
- \* The AR913 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained.
   HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.



certifire



Product ref.	Article description	Finish	Article no.
AR913/ADJ-OEM-R-60- SSS	Mortice bathroom lock with adjustable strike plate	SSS	50015667



Sold in cartons of 25 units.

For suitable rebate sets, see page 247

For intumescent pack see page 300

## The **complete** range.

### **AR914**

square forend

radiused forend

ARRONE mortice nightlatch case:

- Function: Latch bolt with anti thrust operation
- Forend/strike material: Stainless steel
- Forend type: Single
- CE Marked: ABB010, AG0067, UKCA Marked: ABB7653, AG7668
- **BS EN 12209**: 3 | X | 8 | 1\* | 0 | G | | B | 0 | 3 | 0
- BS EN 179: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | B BS EN 179: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | D
- Certifire approved: CF530, CE DOP: HUK0011 and HUK0052, UKCA DOP: HUK001-UK and HUK0052-UK
- Testing: BS EN 1634-1. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- To comply with BS EN 179 certification, only lever handles and associated fixings included in the test evidence must be used.
- Meets dimensional recommendations of BS 8300 and ADM for locks
- \* The AR914 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.

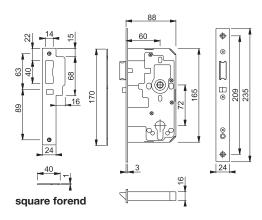


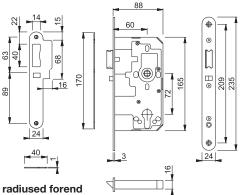
certifire



Product ref.	Article description	Finish	Article no.
AR914-S-60-SSS	Mortice nightlatch case (60 mm backset, square forend)	SSS	87107877
AR914-S-60-PSS	Mortice nightlatch case (60 mm backset, square forend)	PSS	87107878
AR914-S-60-PB	Mortice nightlatch case (60 mm backset, square forend)	PB	87107879

AR914-R-60-SSS	Mortice nightlatch case	SSS	87107880
	(60 mm backset, radiused forend)		
AR914-R-60-PSS	Mortice nightlatch case	PSS	87107881
	(60 mm backset, radiused forend)		
AR914-R-60-PB	Mortice nightlatch case	PB	87107882
	(60 mm backset, radiused forend)		





For all spindles and accessories, see page 246

For suitable rebate sets, see page 247

For Intumescent kits, see page 248

For HOPPE and ARRONE® door furniture certified for use with ARRONE® AR915, AR915-ESC Escape Locks & AR914 Nightlatch, see page 301.





#### **AR914**

ARRONE mortice nightlatch case:

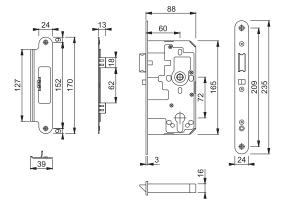
- Function: Latch bolt with anti thrust operation
- Forend/strike material: Stainless steel
- Forend type: Single
- CE Marked: AG0071 (BS EN 12209), ABB010 (BS EN 179)
  - **BS EN 12209**: 3 | X | 8 | 1\* | 0 | G | | B | 0 | 3 | 0
  - **BS EN 179**: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | B **BS EN 179**: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | D
- Certifire approved: CF530; DOP: HUK0011 and HUK0052
- Testing: BS EN 1634-1. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- To comply with BS EN 179 certification, only lever handles and associated fixings included in the test evidence must be used.
- Meets dimensional recommendations of BS 8300 and ADM for locks
- \* The AR914 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.



certifire



Product ref.	Article description	Finish	Article no.
AR914/ADJ-OEM-R-60- SSS	Mortice nightlatch with adjustable strike plate	SSS	50018140
555	strike plate		



Sold in cartons of 25 units.

For all spindles and accessories, see page 246

For suitable rebate sets, see page 247

For HOPPE and ARRONE® door furniture certified for use with ARRONE® AR915, AR915-ESC Escape Locks & AR914 Nightlatch, see page 301.

> For intumescent pack see page 300

# The **complete** range.



square forend



radiused forend

#### **AR915**

ARRONE mortice apartment lock case:

- Function: Latch bolt and deadbolt with escape operation
- Forend/strike material: Stainless steel
- Forend type: Single
- Follower: 8 mm split follower with self locating plate to allow easy reversibility of the escape function. Supplied with AR228A (100 mm) and AR228B (120 mm) spindles for split follower lock
- CE Marked: AG0067, ABB010, UKCA Marked: AG7668
- **BS EN 12209**: 3 | X | 8 | 1\* | 0 | G | 4 | B | A | 3 | 0 **BS EN 179**: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | B
- **BS EN 179**: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | D
- Certifire approved: CF530, CE DOP: HUK0012 and HUK0035, UKCA DOP: HUK0012-UK and HUK0035-UK
- Testing: BS EN 1634-1. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- To comply with BS EN 179 certification, only lever handles and associated fixings included in the test evidence must be used.
- $\bullet$  Meets dimensional recommendations of BS~8300 and ADM for locks
- \* The AR915 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.

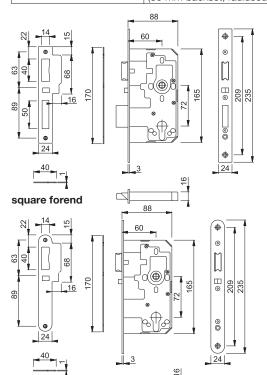


certifire



Product ref.	Article description	Finish	Article no.
AR915-S-60-SSS	Mortice apartment lock (60 mm backset, square forend)	SSS	87107883
AR915-S-60-PSS	Mortice apartment lock (60 mm backset, square forend)	PSS	87107884
AR915-S-60-PB	Mortice apartment lock (60 mm backset, square forend)	PB	87107885

AR915-R-60-SSS	Mortice apartment lock	SSS	87107886
	(60 mm backset, radiused forend)		
AR915-R-60-PSS	Mortice apartment lock	PSS	87107887
	(60 mm backset, radiused forend)		
AR915-R-60-PB	Mortice apartment lock	PB	87107888
	(60 mm backset, radiused forend)		



radiused forend

For all spindles and accessories, see page 246

For suitable rebate sets, see page 247

For Intumescent kits, see page 248

For HOPPE and ARRONE® door furniture certified for use with ARRONE® AR915, AR915-ESC Escape Locks & AR914 Nightlatch, see page 301.

square forend



radiused forend

#### AR915-ESC

ARRONE mortice escape lock case:

- Function: Latch bolt and deadbolt with escape operation for half set lever handle sets
- Forend/strike material: Stainless steel
- Forend type: Single
- CE Marked: AG0067, ABB010, UKCA Marked: AG7668
- **BS EN 12209**: 3 | X | 8 | 1\* | 0 | G | 4 | B | A | 3 | 0
- **BS EN 179**: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | B
- BS EN 179: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | D
- Certifire approved: CF530, CE DOP: HUK0012 and HUK0035, UKCA DOP: HUK0012-UK and HUK0035-UK
- Testing: BS EN 1634-1. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- To comply with BS EN 179 certification, only lever handles and associated fixings included in the test evidence must be used.
- Meets dimensional recommendations of BS 8300 and ADM for locks
- \* The AR915 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.

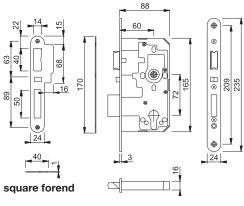


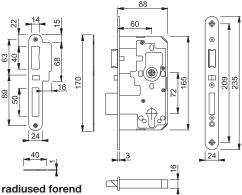
certifire



Product ref.	Article description	Finish	Article no.
AR915-ESC-S-60-SSS	Mortice escape lock case (60 mm backset, square forend)	SSS	50001450
AR915-ESC-S-60-PSS	Mortice escape lock case (60 mm backset, square forend)	PSS	50001474
AR915-ESC-S-60-PB	Mortice escape lock case (60 mm backset, square forend)	PB	50001498

AR915-ESC-R-60-SSS	Mortice escape lock case	SSS	50001462
	(60 mm backset, radiused forend)		
AR915-ESC-R-60-PSS	Mortice escape lock case	PSS	50001486
	(60 mm backset, radiused forend)		
AR915-ESC-R-60-PB	Mortice escape lock case	PB	50001504
	(60 mm backset, radiused forend)		





For all spindles and accessories, see page 246

For suitable rebate sets, see page 247

For Intumescent kits, see page 248

For HOPPE and ARRONE® door furniture certified for use with ARRONE® AR915, AR915-ESC Escape Locks & AR914 Nightlatch, see page 301.



#### **AR915**

ARRONE mortice apartment lock case:

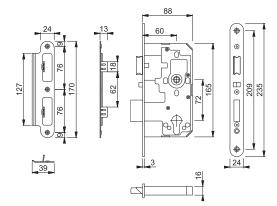
- Function: Latch bolt and deadbolt with escape operation
- Forend/strike material: Stainless steel
- Forend type: Single
- Follower: 8 mm split follower with self locating plate to allow easy reversibility of the escape function. Supplied with AR228A (100 mm) and AR228B (120 mm) spindles for split follower lock
- CE Marked: AG0067, ABB010, UKCA Marked: AG7668
- BS EN 12209: 3 | X | 8 | 1\* | 0 | G | 4 | B | A | 3 | 0 BS EN 179: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | B
- **BS EN 179**: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | D
- Certifire approved: CF530, CE DOP: HUK0012 and HUK0035, UKCA DOP: HUK0012-UK and HUK0035-UK
- Testing: BS EN 1634-1. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- To comply with BS EN 179 certification, only lever handles and associated fixings included in the test evidence must be used.
- Meets dimensional recommendations of **BS 8300** and ADM for locks
- \* The AR915 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.



certifire



Product ref.	Article description	Finish	Article no.
AR915/ADJ-OEM-R-60- SSS	Mortice apartment lock with adjustable strike plate	SSS	50015679



Sold in cartons of 25 units.

For all spindles and accessories, see page 246

For suitable rebate sets, see page 247

For HOPPE and ARRONE® door furniture certified for use with ARRONE® AR915, AR915-ESC Escape Locks & AR914 Nightlatch, see page 301.

> For intumescent pack see page 300



square forend



radiused forend

#### **AR916**

ARRONE mortice rollerbolt lock case:

- Function: roller bolt and deadbolt operation
- Deadbolt projection: 21 mm, single throw
- Forend/strike material: stainless steel
- Forend type: single
- CE Marked: AG0247, UKCA Marked: AG7661
- Certifire approved: CF530, CE DOP: HUK0013, UKCA DOP: HUK0013-UK
   BS EN 12209: 3 | C | 8 | 1\* | 0 | G | 4 | B | A | 0 | 0
- Testing: **BS EN 1634-1**. Assessed for use on 30, 60, 90, 120 minute timber and 240 minute steel un-latched fire doors.
- \* The AR916 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained.
   HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.



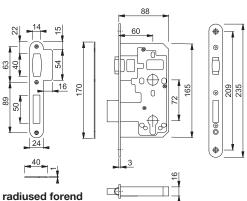
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Product ref.	Article description	Finish	Article no.
AR916-S-60-SSS	Mortice Rollerbolt Lock Case (60 mm backset, square forend)	SSS	89001310
AR916-S-80-SSS	Mortice Rollerbolt Lock Case (80 mm backset, square forend)	SSS	87117071

AR916-R-60-SSS	Mortice Rollerbolt Lock Case (60 mm backset, radiused forend)	SSS	89001317
AR916-R-80-PSS	Mortice Rollerbolt Lock Case (80 mm backset, radiused forend)	SSS	87117064

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For suitable rebate sets, see page 247

For Intumescent kits, see page 248

## ARRONE® The complete range.



square forend



AR8100

ARRONE mortice sashlock case:

- Function: Latch bolt and deadbolt operation
- Deadbolt Projection: 21 mm, double throw
- Forend/strike material: Stainless steel
- Forend type: Double
- CE Marked: AG0087, UKCA Marked: AG7670
- BS EN 12209: 3 | M | 8 | 1\* | 0 | G | 3 | B | C | 2 | 0
- Certifire approved: CF5022, CE DOP: HUK0030, UKCA DOP: HUK0030-UK
- Testing: **BS EN 1634-1**. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- $\bullet$  Meets dimensional recommendations of BS 8300 and ADM for locks
- \* The AR8100 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.

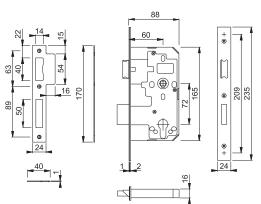


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Product ref.	Article description	Finish	Article no.
AR8100-S-60-SSS	Mortice sashlock case (60 mm backset, square forend)	SSS	87134273

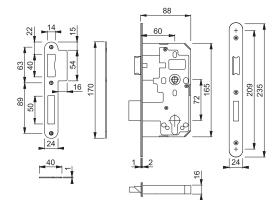
AR8100-R-60-SSS	Mortice sashlock case	SSS	87134294
	(60 mm backset, radiused forend)		



For suitable rebate sets, see page 247

For Intumescent kits, see page 248

#### square forend



radiused forend



square forend



#### **AR8101**

ARRONE mortice latch case:

- Function: Latch bolt operation
- Forend/strike material: Stainless steel
- Forend type: Double
- CE Marked: AG0087, UKCA Marked: AG7670
- **BS EN 12209**:  $3 \mid M \mid 8 \mid 1^* \mid 0 \mid G \mid \mid B \mid 0 \mid 2 \mid 0$
- Certifire approved: CF5022; CE DOP: HUK0032, UKCA DOP: HUK0032-UK
- Testing: **BS EN 1634-1**. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- Meets dimensional recommendations of **BS 8300** and ADM for locks
- \* The AR8101 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained.
   HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.

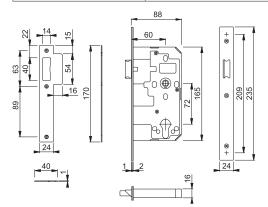


certifire



Product ref.	Article description	Finish	Article no.
AR8101-S-60-SSS	Mortice latch case (60 mm backset, square forend)	SSS	87134329

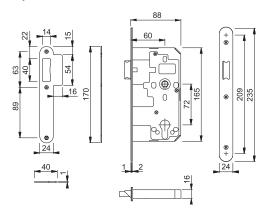
AR8101-R-60-SSS	Mortice latch case	SSS	87135238
	(60 mm backset, radiused forend)		



For suitable rebate sets, see page 247

For Intumescent kits, see page 248





radiused forend

# ARRONE® The complete range.



square forend



radiused forend

#### **AR8102**

ARRONE mortice deadlock case:

- Function: Deadbolt operation
- Forend/strike material: Stainless steel
- Forend type: Double
- CE Marked: AG0088, UKCA Marked: AG7671
- **BS EN 12209**: 3 | M | 8 | 1\* | 0 | G | 3 | B | C | 0 | 0
- Certifire approved: CF5022, CE DOP: HUK0031, UKCA DOP: HUK0031-UK
- Testing: **BS EN 1634-1**. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- \* The AR912 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.

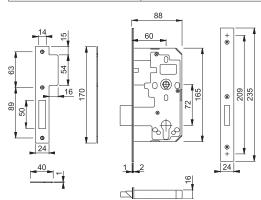


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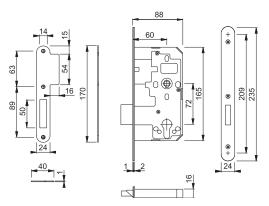


Product ref.	Article description	Finish	Article no.
AR8102-S-60-SSS	Mortice deadlock case (60 mm backset, square forend)	SSS	87134371

AR8102-R-60-SSS	Mortice deadlock case	SSS	87134350
	(60 mm backset, radiused forend)		



square forend



radiused forend

For suitable rebate sets, see page 247

For Intumescent kits, see page 248



square forend



#### **AR8103**

ARRONE mortice deadlock case:

- Function: Latch bolt and deadbolt operation
- Deadbolt projection: 15mm, single throw
- Forend/strike material: Stainless steel
- Forend type: Double
- CE Marked: AG0087, UKCA Marked: AG7670
  - **BS EN 12209**: 3 | M | 8 | 1\* | 0 | G | | B | 0 | 2 | 0
- Certifire approved: CF5022, CE DOP: HUK0033, UKCA DOP: HUK0033-UK
- Testing: BS EN 1634-1. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- Meets dimensional recommendations of **BS 8300** and ADM for locks
- \* The AR8103 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.



certifire



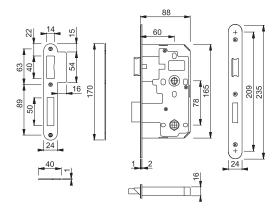
Product ref.	Article description	Finish	Article no.
AR8103-S-60-SSS	Mortice bathroom lock (60 mm backset, square forend)	SSS	87134413

AR8103-R-60-SSS	Mortice bathroom lock	SSS	87134392
	(60 mm backset, radiused forend)		

For suitable rebate sets, see page 247

For Intumescent kits, see page 248

#### square forend



radiused forend

# ARRONE® The complete range.



square forend



#### **AR8104**

ARRONE mortice nightlatch case:

- Function: Latch bolt operation
- Forend/strike material: Stainless steel
- Forend type: Double
- CE Marked: AG0087, UKCA Marked: AG7670
- **BS EN 12209**: 3 | M | 8 | 1\* | 0 | G | | B | 0 | 2 | 0
- Certifire approved: CF5022, CE DOP: HUK0034, UKCA DOP: HUK0034-UK
- Testing: **BS EN 1634-1**. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- Meets dimensional recommendations of BS 8300 and ADM for locks
- \* The AR8104 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained.
   HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.

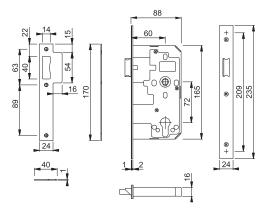


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Product ref.	Article description	Finish	Article no.
AR8104-S-60-SSS	Mortice Nightlatch case (60 mm backset, square forend)	SSS	87134455

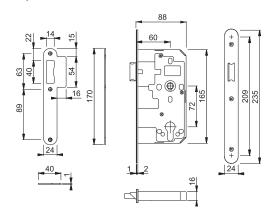
AR8104-R-60-SSS	Mortice Nightlatch case	SSS	87134434
	(60 mm backset, radiused forend)		



For suitable rebate sets, see page 247

For Intumescent kits, see page 248

#### square forend



radiused forend

### Spindles (Half and Split Follower)

Product ref.	Article description	Article no.
AR228-Pack	Spindle pack to suit AR915, consists of 1 x 100 mm, 1 x 120 mm spindle and self tapping grub screws	87109443
AR228A-QFP-44	Spindle to suit split follower lock & QFP lever, 8 mm x 100 mm, hardened steel	50002156
AR228B-QFP-54	Spindle to suit split follower lock & QFP lever, 8 mm x 120 mm, hardened steel	50002168
AR228C-QFP-64	Spindle to suit split follower lock & QFP lever, 8 mm x 140 mm	50002175
AR228F-44	Half spindle to suit split follower half set lever funiture, c/w swivel hook, t/s 44 mm D.T.	50001644
AR228F-54	Half spindle to suit split follower half set lever funiture, c/w swivel hook, t/s 54 mm D.T.	50001656

### **Half Set Fixing Plates**

Product ref.	Article description	Article no.
AR914/915-HS-PLATE	Fixing plate for half levers, to suit AR914 & AR915-ESC locks	87137401

### **Mortice Tidy**

Product ref.	Article description	Article no.
AR81/91-BOX	Black tidy box to suit AR900 and AR8100 series locks	87135861





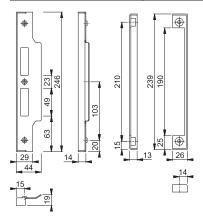




- ARRONE rebate set:
   13 mm rebate set to suit AR900 & AR8100 lockranges
   Suitable for use with all AR900 / AR8100 series locks

Product ref.	Article description	Finish	Article no.
AR91/81-S-13-SSS	13 mm rebate set to suit 72 mm lockcases	SSS	87107889
AR91/81-S-13-PB	13 mm rebate set to suit 72 mm lockcases	PB	87108045
AR91/81-S-25-SSS	25 mm rebate set to suit 72 mm lockcases	SSS	87136610

AR91/81-D-13-SSS	13 mm deadlock rebate set to suit 72 mm lockcases	SSS	50004153
AR91/81-D-25-SSS	25 mm deadlock rebate set to suit 72 mm	SSS	50004165
	lockcases		





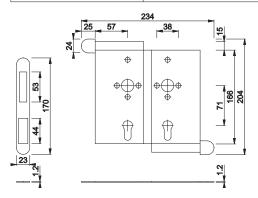


#### **ARRONE® Intumescent Pack AR/INT-DIN-LOCKS**

ARRONE intumescent pack:

- Intumescent pack to suit ARRONE 72 mm centres DIN lockcases
- 1 mm thickness
- Consists of: 1 x lockcase & forend pad, 1 x strikeplate pad
- Material: Mono Ammonium Phosphate

Product ref.	Article description	Article no.
AR/INT-DIN-LOCKS-60	Intumescent pack to suit 72 mm locks,	87134490
	24 mm forend, 60 mm backset	
AR/INT-DIN-LOCKS-80	Intumescent pack to suit 72 mm locks,	50003410
	24 mm forend, 80 mm backset	



The AR900 and AR8100 series lock cases have been successfully fire tested with the use of this intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.



#### AR7004

ARRONE euro profile sashlock:

- Function: Latch bolt and deadbolt operation
- Deadbolt projection: 15 mm, single throw
- Forend/strike material: Steel satin chrome plated
- Forend type: Double removeable
- Forend shape: Square
- CE Marked: AG5224, UKCA Marked: AG7666
- Certifire approved: CF5939, CE DOP; HUK0044, UKCA DOP: HUK0044-UK
- Testing: BS EN 1634-1. Assessed for use on 30 and 60 minute timber fire doors



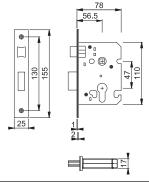






Product ref.	Article description	Finish	Article no.
AR7004-S-63-PBR	63 mm mortice sashlock case	PB	50017846
AR7004-S-63-SC	63 mm mortice sashlock case	SC	50017834
AR7004-S-76-PBR	76 mm mortice sashlock case	PB	50017865
AR7004-S-76-SC	76 mm mortice sashlock case	SC	50017858

For suitable rebate sets, see page 259



#### **AR7006**

ARRONE euro profile deadlock:

- Function: Deadbolt operation
- Deadbolt projection: 15 mm, single throw
- Forend/strike material: Stainless steel chrome plated
- Forend type: Double removeable
- Forend shape: Square
- CE Marked: AG5225, UKCA Marked: AG7667
- Certifire approved: CF5939, CE DOP: HUK0045, UKCA DOP: HUK0045-UK
- Testing: **BS EN 1634-1**. Assessed for use on 30 and 60 minute timber fire doors



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Product ref.	Article description	Finish	Article no.
AR7006-S-63-PBR	63 mm mortice deadlock	PB	50017883
AR7006-S-63-SC	63 mm mortice deadlock	SC	50017871
AR7006-S-76-PBR	76 mm mortice deadlock	PB	50017901
AR7006-S-76-SC	76 mm mortice deadlock	SC	50017895

For suitable rebate sets, see page 259



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			<b>2</b>



#### **AR8000**

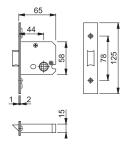
ARRONE mortice latch:

- Function: Latchbolt operation
- Forend/strike material: Stainless steel
- Forend type: Double
- CE Marked: AG0094, UKCA Marked: AG7672
- **BS EN 12209**: 1 | G | 8 | 1\* | 0 | F | | B | 0 | 2 | 0
- Certifire approved: CF5768, CE DOP: HUK0037, UKCA DOP: HUK0037-UK
- Testing: **BS EN 1634-1**. Assessed for use on up to 60 minute timber fire doors.
- \* The AR8000 series latch has been successfully fire tested with the use of an
  intumescent kit. The supply and fitting of this intumescent kit is essential to the
  products compliance with the fire test and CE marking evidence it has gained.
   HOPPE takes no responsibility for any locks purchased and fitted without sufficient
  intumescent protection.



certifire

Product ref.	Article description	Finish	Article no.
AR8000-63-SC	63 mm square case mortice latch	SC	87109098
AR8000-76-SC	76 mm square case mortice latch	SC	87109100



For suitable rebate sets, see page 258







- Function: Latchbolt operation
- Forend/strike material: Stainless steel
- Forend type: Double
- CE Marked: AG0178, UKCA Marked: AG7657
- **BS EN 12209**: 2 | H | 8 | 1\* | 0 | F | | B | 0 | NPD | 0
- Certifire approved: CF5768, CE DOP: HUK0043, UKCA DOP: HUK0043-UK
- Testing: **BS EN 1634-1**. Assessed for use on up to 60 minute timber fire doors.
- \* The AR8009 series latch has been successfully fire tested with the use of an
  intumescent kit. The supply and fitting of this intumescent kit is essential to the
  products compliance with the fire test and CE marking evidence it has gained.
   HOPPE takes no responsibility for any locks purchased and fitted without sufficient
  intumescent protection.



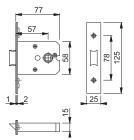
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Product ref.	Article description	Finish	Article no.
AR8009-63-SC	63 mm square case mortice latch	SC	87109104
AR8009-76-SC	76 mm square case mortice latch	SC	87109106



For suitable rebate sets, see page 258

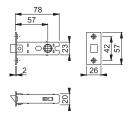


#### **AR8017**

ARRONE tubular mortice latch:

- Function: Latch bolt operation
- Suitable for domestic light duty use only
- Not to be used with unsprung lever furniture
- Suitable for use with bolt through fixings

Product ref.	Article description	Finish	Article no.
AR8017-63-SC	63 mm tubular mortice latch	SC	87111899
AR8017-75-SC	76 mm tubular mortice latch	SC	87111913



#### **AR8019**



ARRONE mortice latch:

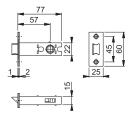
- Function: Latchbolt operation
- Forend/strike material: Stainless steel
- Forend type: Double
- CE Marked: AG0192, UKCA Marked: AG7660
  - BS EN 12209: NPD | C | 8 | 1\* | 0 | NPD | | B | 0 | NPD | 0
- Certifire approved: CF5768, CE DOP: HUK0014, UKCA DOP: HUK0014-UK
- Testing: **BS EN 1634-1**. Assessed for use on up to 60 minute timber fire doors. • \* The AR8019 series latch has been successfully fire tested with the use of an
- intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.



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Product ref.	Article description	Finish	Article no.
AR8019-63-SC/EB	63 mm heavy duty tubular mortice latch	SC/EB	87105900
AR8019-76-SC/EB	76 mm heavy duty tubular mortice latch	SC/EB	87101329
AR8019-100-SC/EB	100 mm heavy duty tubular mortice latch	SC/EB	87101332
AR8019-128-SC/EB	128 mm heavy duty tubular mortice latch	SC/EB	87101345





ARRONE mortice bathroom deadbolt:

**AR8018** 

• Function: Deadbolt operation

• Forend/strike material: Stainless steel

• Forend type: Double

• CE Marked: AG0102 (BS EN 12209)

- BS EN 12209: 2  $| X | 8 | 1^* | 0 | F |$  - | B | 0 | 0 | 0

• Certifire approved: CF577; DOP: HUK0015

• Testing: BS EN 1634-1. Assessed for use on 60 minute timber fire doors.

 \* The AR8018 series deadbolt has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained.
 HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.

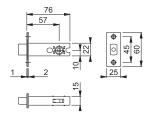


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Product ref.	Article description	Finish	Article no.
AR8018-76-SC/EB	76 mm bathroom tubular deadbolt	SC	87101338



#### **AR8031**

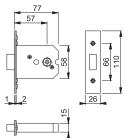
ARRONE mortice bathroom deadbolt:

- Function: Deadbolt operation
- Forend/strike material: Stainless steel
- Forend type: Double
- CE Marked: AG0102, UKCA Marked: AG7655
  - **BS EN 12209**: 2 | X | 8 | 1\* | 0 | F | | B | 0 | 0 | 0
- Certifire approved: CF5768, CE DOP: HUK0053, UKCA DOP: HUK0053-UK
- Testing: **BS EN 1634-1**. Assessed for use on up to 60 minute timber fire doors.
- \* The AR8031 series deadbolt has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.





Product ref.	Article description	Finish	Article no.
AR8031-63-SC	63 mm square case mortice latch	SC	87109139
AR8031-76-SC	76 mm square case mortice latch	SC	87109141





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### Locks and Latches



#### **AR8023**

ARRONE mortice bathroom lock:

- Function: Latchbolt and deadbolt operation
- Forend/strike material: Stainless steel
- Forend type: Double
- CE Marked: AG0103, UKCA Marked: AG7656
- **BS EN 12209**: 2 | H | 8 | 1\* | 0 | F | | B | 0 | 2 | 0
- Certifire approved: CF577, CE DOP: HUK0046, UKCA DOP: HUK0046-UK
- Testing: **BS EN 1634-1**. Assessed for use on 60 minute timber fire doors.
- \* The AR8023 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained.
   HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.



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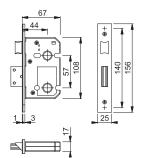






Product ref.	Article description	Finish	Article no.
AR8023-63-5/8-PB	63 mm mortice sashlock case	PB	87142875
AR8023-63-5/8-SC	63 mm mortice sashlock case	SC	87142882
AR8023-76-5/8-PB	76 mm mortice sashlock case	PB	87142889
AR8023-76-5/8-SC	76 mm mortice sashlock case	SC	87142896

For suitable rebate sets, see page 259









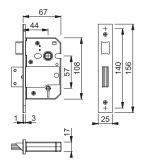
ARRONE mortice sashlock case:

- Function: Latch bolt and deadbolt operation
- Forend/strike material: Stainless steel
- Forend type: Double
- CE Marked: AG0179, UKCA Marked: AG7658
- Certifire approved: CF5768, CE DOP: HUK0047, UKCA DOP: HUK0047-UK
   BS EN 12209: 3 | S | 8 | 1\* | 0 | F | 7 | K | D | 2 | B
- Testing: **BS EN 1634-1**. Assessed for use on up to 60 minute timber fire doors.
- \* The AR716 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained.
   HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.



Product ref.	Article description	Finish	Article no.
AR716-63-PB	63 mm 5 lever mortice sashlock	PB	87142651
AR716-63-SC	63 mm 5 lever mortice sashlock	SC	87142658
AR716-76-PB	76 mm 5 lever mortice sashlock	PB	87142665
AR716-76-SC	76 mm 5 lever mortice sashlock	SC	87142672

AR716KA-63-SC	63 mm 5 lever mortice sashlock keyed alike	SC	87142714
AR716KA-76-SC	76 mm 5 lever mortice sashlock keyed alike	SC	87142728



For suitable rebate sets, see page 259

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### Locks and Latches



#### **AR717**

ARRONE mortice deadlock case:

- Function: Deadbolt operation
- Forend/strike material: Stainless steel
- Forend type: Double
- CE Marked: AG0180, UKCA Marked: AG7659
- **BS EN 12209**: 3 | S | 8 | 1\* | 0 | F | 7 | K | D | 0 | B
- Certifire approved: CF5768, CE DOP: HUK0048, UKCA DOP: HUK0048-UK
- Testing: **BS EN 1634-1**. Assessed for use on up to 60 minute timber fire doors.
- \* The AR717 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.



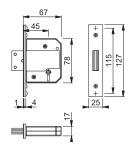
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Product ref.	Article description	Finish	Article no.
AR717-63-PB	63 mm 5 lever mortice deadlock	PB	87142679
AR717-63-SC	63 mm 5 lever mortice deadlock	SC	87142686
AR717-76-PB	76 mm 5 lever mortice deadlock	PB	87142693
AR717-76-SC	76 mm 5 lever mortice deadlock	SC	87142700

AR717KA-63-SC	63 mm 5 lever mortice deadlock keyed alike	SC	87142742
AR717KA-76-SC	76 mm 5 lever mortice deadlock keyed alike	SC	87142756

For suitable rebate sets, see page 259

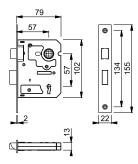




ARRONE 3 lever mortice sashlock:

- Function: Latch bolt and deadbolt operation
- Forend/strike material: Steel
- Forend type: Single
- Suitable for residential internal doors
- Not suitable for unsprung lever furniture

Product ref.	Article description	Finish	Article no.
AR183S-63-NP	63 mm 3 lever mortice sashlock keyed alike	NP	87141069
AR183S-75-NP	76 mm 3 lever mortice sashlock keyed alike	NP	87141083



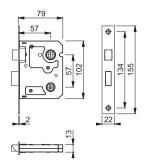




ARRONE mortice bathroom lock:

- Function: Latch bolt and deadbolt operation
- Forend/strike material: Steel
- Forend type: Single
- 5 mm bathroom follower
- Suitable for residential internal doors
- Not suitable for unsprung lever furniture

Product ref.	Article description	Finish	Article no.
AR184S-63-NP	63 mm bathroom lock, 5 mm follower	NP	87141097
AR184S-75-NP	76 mm bathroom lock, 5 mm follower	NP	87141111



### Locks and Latches

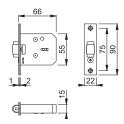


#### **AR750**

ARRONE square case mortice rollerbolt:

- Function: Roller bolt operation
- Adjustable roller

Product ref.	Article description	Finish	Article no.
AR750-SC	Heavy Duty Adjustable Roller Latch	SC	87102958

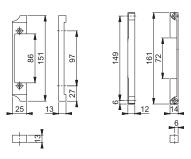


#### **AR8090**

ARRONE rebate set:

• 13 mm rebate set to suit ARRONE AR8000 / AR8009 series latches

Product ref.	Article description	Finish	Article no.
AR8090-13-PB	13 mm rebate set	PB	87111829
AR8090-13-SC	13 mm rebate set	SC	87111843



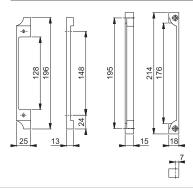


#### **AR716**

ARRONE rebate set:

• Rebate set to suit AR716, AR8023, AR8003, AR8004, AR8007 locks

Product ref.	Article description	Finish	Article no.
AR716/8029-S-13-PB	13 mm rebate set	PB	87101411
AR716/8029-S-13-SC	13 mm rebate set	SC	87101412



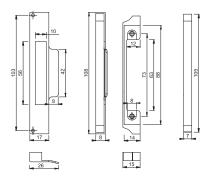


### AR7004 and AR7006

ARRONE rebate set:

- Rebate set to suit AR7004 sashlocks
  Material: Zinc
- Shape: Square

Product ref.	Article description	Finish	Article no.
AR7004-REB-S-13-PBR	13 mm rebate set	PB	50018292
AR7004-REB-S-13-SC	13 mm rebate set	SC	50018280
AR7006-REB-S-13-PBR	13 mm rebate set	PB	50018310
AR7006-REB-S-13-SC	13 mm rebate set	SC	50018309



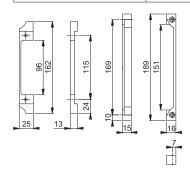


#### **AR717**

ARRONE rebate set:

• 13 mm rebate set to suit AR717, AR8005, AR8006

Product ref.	Article description	Finish	Article no.
AR717/8030-S-13-PB	13 mm rebate set	PB	87101415
AR717/8030-S-13-SC	13 mm rebate set	SC	87101416
AR717/8030-S-25-SC	25 mm rebate set	SC	87101418



### Locks and Latches

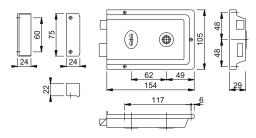


#### **AR725**

ARRONE double handed rim lock:

- Function: Latch bolt and deadbolt operation
- 3 keyed
- 8 mm follower
- Reversible
- Suitable for knob furniture

Product ref.	Article description	Finish	Article no.
AR725-150-BL	Double handed rim lock	BL	8542840



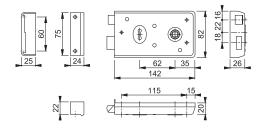


#### **AR726**

ARRONE double handed rim lock:

- Function: Latch bolt and deadbolt operation
- 3 keyed
- 8 mm follower
- Reversible
- Suitable for knob furniture

Product ref.	Article description	Finish	Article no.
AR726-138-BL	Double handed rim lock	BL	8542847



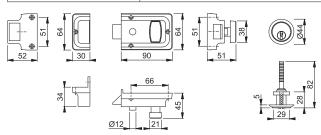




ARRONE rim nightlatch case:

- Function: Latch bolt operation
  Material: Zinc alloy
  Supplied with 5 pin rim cylinder, 3 keyed

Product ref.	Article description	Finish	Article no.
AR735-CG-PB	Traditional cylinder rim nightlatch	CG/PB	8542364
AR735LC-CG	Traditional cylinder rim nightlatch case only	CG	8542413







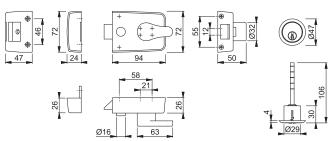
ARRONE standard deadlocking cylinder rim nightlatch:

- Function: Latchbolt and snib operation
- Deadlocked by two turns of the key externally
- Large thumbturn to assist with ease of operation
- Supplied with rim cylinder and 3 keys
  Included in a successful fire test to BS EN 1634 Part 1: For use on 30 and 60 minutes fire doors





Product ref.	Article description	Finish	Article no.
AR840-SE-PB	Deadlocking cylinder rim nightlatch	SE/PB	87108519
AR840-SE-SC	Deadlocking cylinder rim nightlatch	SE/SC	87108520
AR840-PB-PB	Deadlocking cylinder rim nightlatch	PB/PB	87108521
AR840-SC-SC	Deadlocking cylinder rim nightlatch	SC/SC	87108522
AR840-PC-PC	Deadlocking cylinder rim nightlatch	PC/PC	87108523



### Locks and Latches



#### **AR845**

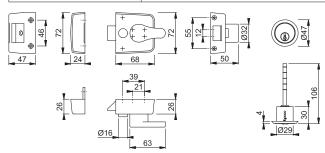
ARRONE standard deadlocking cylinder rim nightlatch:

- Function: Latchbolt and snib operation
- Deadlocked by two turns of the key externally
- Large thumbturn to assist with ease of operation
- Supplied with rim cylinder and 3 keys
- Included in a successful fire test to **BS EN 1634** Part 1: For use on 30 and 60 minutes fire doors.





Product ref.	Article description	Finish	Article no.
AR845-SE-SC	Narrow deadlocking cylinder rim nightlatch	SE/SC	87108525
AR845-SC-SC	Narrow deadlocking cylinder rim nightlatch	SC/SC	87108527
AR845-PB-PB	Narrow deadlocking cylinder rim nightlatch	PB/PB	87108526







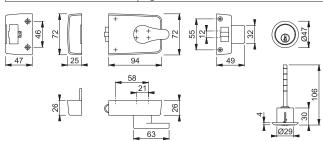
ARRONE standard deadlocking cylinder rim roller latch:

- Function: Rollerbolt operation
   Deadlocked by two turns of the key externally
   Large thumbturn to assist with ease of operation
- Included in a successful fire test to **BS EN 1634** Part 1: For use on 30 and 60 minutes fire doors.





Product ref.	Article description	Finish	Article no.
AR850-SE-PB	Deadlocking roller bolt cylinder rim nightlatch	SE/PB	87108529
AR850-SE-SC	Deadlocking roller bolt cylinder rim nightlatch	SE/SC	87108530
AR850-SC-SC	Deadlocking roller bolt cylinder rim nightlatch	SC/SC	87108532
AR850-PC-PC	Deadlocking roller bolt cylinder rim nightlatch	PC/PC	87108533
AR850-PB-PB	Deadlocking roller bolt cylinder rim nightlatch	PB/PB	87108531



### Mechanical Push Button



#### **AR195**

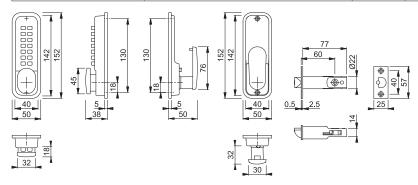
ARRONE mechanical push button lock:

- Function: Oval or Hexagonal turn operation
- 14 digit pin tumbler system
- Dual function holdback facility (On or Off)
- Non-handed, suitable for left or right hand applications
- Suitable for internal use
- Supplied with deadlocking tubular latch with 60 mm backset
- Suitable for timber or metal doors from 33 mm to 55 mm thick
- Testing: **BS EN 1634-1**. For use on 30 minute timber fire doors





Product ref.	Article description	Finish	Article no.
AR195-MC	Mechanical push button lock	MC	87128205
AR195-SSS	Mechanical push button lock	SSS	87133986





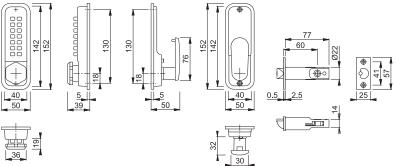


ARRONE mechanical push button lock:

- Function: Oval or Hexagonal turn operation
- 14 digit pin tumbler system
- Dual function holdback facility (On or Off)
- Non-handed, suitable for left or right hand applications
- Suitable for internal use
- Supplied with deadlocking tubular latch with 60 mm backset
- Suitable for timber or metal doors from 33 mm to 55 mm thick
  Testing: BS EN 1634-1. For use on 30 minute timber fire doors







### Mechanical Push Button



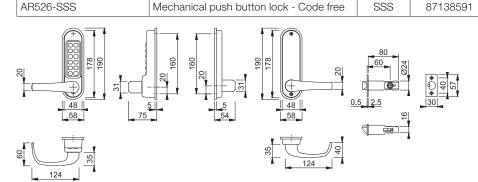
#### **AR525**

ARRONE mechanical push button lock:

- Function: Lever handle operation
- Fully reversible return to door lever
- 12 digit pin tumbler system
- Spindle pack supplied
- Suitable for internal or external use
- Supplied with rubber backing plate for protection from external weather and torx anti tamper fixings
- Suitable for timber or metal doors from 33 mm to 55 mm thick
- Testing: BS EN 1634-1. For use on 30, 60 minute timber fire doors and 240 minute steel doors



Product ref.	Article description	Finish	Article no.
AR525-MC	Mechanical push button lock	MC	87138556
AR525-SSS	Mechanical push button lock	SSS	87138563



Mechanical keyless door locks have a 'code-free' mode function. This feature is perfect for applications where access only needs to be controlled at certain times of the day. For example, many classrooms or lecture theatres need to be freely accessible during the day, but locked at night. The lock can be opened in the morning and put into 'code free' mode, so that teachers, staff and pupils can come and go. At the end of the day, access to that area can once again be restricted.





#### AR-KD-0110 & AR-KA-0110

ARRONE Euro profile 6 pin cylinder:

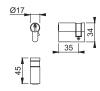
- Cylinder type: Single cylinder
- Keying function: Keyed to differ
- Number of keys: 3 keys cut to differ
- Testing: BS EN 1303, BS EN 1634 Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 120 minutes on steel fire doors.





Product ref.	Article description	Finish	Article no.
AR-KD-0110-A-MNP	40 mm euro profile single cylinder	MNP	87108928
AR-KD-0110-B-PBR	45 mm euro profile single cylinder	MNP	87108929
AR-KD-0110-B-MNP	45 mm euro profile single cylinder	MNP	87108930

AR-KA-0110-A-MNP	40 mm euro profile single cylinder	MNP	87108247
AR-KA-0110-B-MNP	45 mm euro profile single cylinder	MNP	87108249





#### AR-KD-0122 & AR-KA-0122

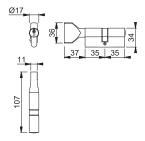
- Cylinder type: Key and turn cylinder
- Keying function: Keyed to differ
- Number of keys: 3 keys cut to differ
- Testing: **BS EN 1303**, **BS EN 1634** Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 120 minutes on steel fire doors.





Product ref.	Article description	Finish	Article no.
AR-KD-0122-BB-MNP	70 mm euro profile cylinder with DIN type turn (35+35)	MNP	87109163

AR-KA-0122-AA-MNP	60 mm euro profile cylinder with	MNP	87108275
	DIN type turn (30+30)		
AR-KA-0122-BB-MNP	70 mm euro profile cylinder with	MNP	87108277
	DIN type turn (35+35)		









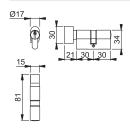
- Cylinder type: Key and turn cylinder
- Keying function: Keyed to differ
- Number of keys: 3 keys cut to differ
- Testing: **BS EN 1303**, **BS EN 1634** Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 120 minutes on steel fire doors.





Product ref.	Article description	Finish	Article no.
AR-KD-0121-AA-MNP	60 mm euro profile cylinder with oval type turn (30+30)	MNP	87108950
AR-KD-0121-BB-MNP	70 mm euro profile cylinder with oval type turn (35+35)	MNP	87108952
AR-KD-0121-CC-MNP	80 mm euro profile cylinder with oval type turn (40+40)	MNP	87108954

AR-KA-0121-AA-MNP	60 mm euro profile cylinder with	MNP	87108269
	oval type turn (30+30)		
AR-KA-0121-BB-MNP	70 mm euro profile cylinder with	MNP	87108271
	oval type turn (35+35)		
AR-KA-0121-CC-MNP	80 mm euro profile cylinder with	MNP	87108273
	oval type turn (40+40)		





#### AR-KD-0130 & AR-KA-0130

ARRONE Euro profile 6 pin cylinder:

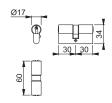
- Cylinder type: Double cylinder
- Keying function: Keyed to differ
- Number of keys: 3 keys cut to differ
- Testing: **BS EN 1303**, **BS EN 1634** Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.





Product ref.	Article description	Finish	Article no.
AR-KD-0130-AA-MNP	60 mm euro profile double cylinder (30+30)	MNP	87108934
AR-KD-0130-BB-MNP	70 mm euro profile double cylinder (35+35)	MNP	87108936
AR-KD-0130-CC-MNP	80 mm euro profile double cylinder (40+40)	MNP	87108938
AR-KD-0130-CE-MNP	90 mm euro profile double cylinder (40+50)	MNP	87108946
AR-KD-0130-CG-MNP	100 mm euro profile double cylinder (40+60)	MNP	87108948

AR-KA-0130-AA-MNP	60 mm euro profile double cylinder (30+30)	MNP	87108253
AR-KA-0130-BB-MNP	70 mm euro profile double cylinder (35+35)	MNP	87108255
AR-KA-0130-CC-MNP	80 mm euro profile double cylinder (40+40)	MNP	87108257
AR-KA-0130-BD-MNP	80 mm euro profile double cylinder (35+45)	MNP	87108261







ARRONE 6 pin cylinder:

- Cylinder type: Threaded cylinder
- Keying function: Keyed alike
- Number of keys: Keys supplied separately
- Testing: **BS EN 1303**

Product ref.	Article description	Finish	Article no.
AR-KA-0550-A-MNP	Round mortice cylinder	MNP	87108328







#### **AR-MK-0110**



ARRONE Euro profile 6 pin cylinder:

- Cylinder type: Single cylinder
- Keying function: Master keyed
- Number of keys: 2 servant keys
- Testing: **BS EN 1303**, **BS EN 1634** Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 120 minutes on steel fire doors.

Product ref.	Article description	Finish	Article no.
AR-MK-0110-A-PB	40 mm euro profile single cylinder	PB	87108331
AR-MK-0110-A-MNP	40 mm euro profile single cylinder	MNP	87108332
AR-MK-0110-B-PB	45 mm euro profile single cylinder	PB	87108333
AR-MK-0110-B-MNP	45 mm euro profile single cylinder	MNP	87108334
AR-MK-0110-C-PB	50 mm euro profile single cylinder	PB	87108335
AR-MK-0110-C-MNP	50 mm euro profile single cylinder	MNP	87108336



#### AR-MK-0121

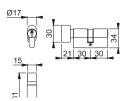


- Cylinder type: Key and turn cylinder
- Keying function: Master keyed
- Number of keys: 2 servant keys
- Testing: **BS EN 1303**, **BS EN 1634** Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 120 minutes on steel fire doors.





Product ref.	Article description	Finish	Article no.
AR-MK-0121-AA-PB	60 mm euro profile cylinder with oval type turn (30+30)	PB	87108353
AR-MK-0121-AA-MNP	60 mm euro profile cylinder with oval type turn (30+30)	MNP	87108354
AR-MK-0121-BB-PB	70 mm euro profile cylinder with oval type turn (35+35)	PB	87108355
AR-MK-0121-BB-MNP	70 mm euro profile cylinder with oval type turn (35+35)	MNP	87108356
AR-MK-0121-CC-PB	80 mm euro profile cylinder with oval type turn (40+40)	PB	87108357
AR-MK-0121-CC-MNP	80 mm euro profile cylinder with oval type turn (40+40)	MNP	87108358



### Cylinders



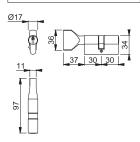
#### AR-MK-0122

- Cylinder type: Key and turn cylinder
- Keying function: Master keyed
- Number of keys: 2 servant keys
- Testing: **BS EN 1303**, **BS EN 1634** Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 120 minutes on steel fire doors.





Product ref.	Article description	Finish	Article no.
AR-MK-0122-AA-PB	60 mm euro profile cylinder with DIN type turn (30+30)	PB	87108359
AR-MK-0122-AA-MNP	60 mm euro profile cylinder with DIN type turn (30+30)	MNP	87108360
AR-MK-0122-BB-PB	70 mm euro profile cylinder with DIN type turn (35+35)	PB	87108361
AR-MK-0122-BB-MNP	70 mm euro profile cylinder with DIN type turn (35+35)	MNP	87108362
AR-MK-0122-CC-PB	80 mm euro profile cylinder with DIN type turn (40+40)	PB	87108363
AR-MK-0122-CC-MNP	80 mm euro profile cylinder with DIN type turn (40+40)	MNP	87108364





#### AR-MK-0130

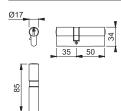


- Cylinder type: Double cylinder
  Keying function: Master keyed
  Number of keys: 2 servant keys
- Testing: **BS EN 1303**, **BS EN 1634** Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 120 minutes on steel fire doors.





Product ref.	Article description	Finish	Article no.
AR-MK-0130-AA-PB	60 mm euro profile double cylinder (30+30)	PB	87108337
AR-MK-0130-AA-MNP	60 mm euro profile double cylinder (30+30)	MNP	87108338
AR-MK-0130-BB-PB	70 mm euro profile double cylinder (35+35)	PB	87108339
AR-MK-0130-BB-MNP	70 mm euro profile double cylinder (35+35)	MNP	87108340
AR-MK-0130-CC-PB	80 mm euro profile double cylinder (40+40)	PB	87108341
AR-MK-0130-CC-MNP	80 mm euro profile double cylinder (40+40)	MNP	87108342
AR-MK-0130-AC-PB	70 mm euro profile double cylinder (30+40)	PB	87108343
AR-MK-0130-AC-MNP	70 mm euro profile double cylinder (30+40)	MNP	87108344
AR-MK-0130-BD-PB	80 mm euro profile double cylinder (35+45)	PB	87108345
AR-MK-0130-BD-MNP	80 mm euro profile double cylinder (35+45)	MNP	87108346
AR-MK-0130-BE-PB	85 mm euro profile double cylinder (35+50)	PB	87108347
AR-MK-0130-BE-MNP	85 mm euro profile double cylinder (35+50)	MNP	87108348
AR-MK-0130-CE-PB	90 mm euro profile double cylinder (40+50)	PB	87108349
AR-MK-0130-CE-MNP	90 mm euro profile double cylinder (40+50)	MNP	87108350
AR-MK-0130-CG-PB	100 mm euro profile double cylinder (40+60)	PB	87108351
AR-MK-0130-CG-MNP	100 mm euro profile double cylinder (40+60)	MNP	87108352



### Cylinders

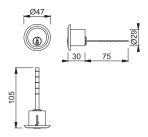


#### AR-MK-0540

ARRONE 6 pin rim cylinder:

- Cylinder type: Rim cylinder
- Keying function: Master keyed
- Number of keys: 2 servant keys
- Testing: **BS EN 1303**

Product ref.	Article description	Finish	Article no.
AR-MK-0540-A-PB	Rim cylinder	PB	87108411
AR-MK-0540-A-MNP	Rim cylinder	MNP	87108412





#### AR-MK-0550

ARRONE 6 pin threaded cylinder:

- Cylinder type: Threaded cylinder
- Keying function: Master keyed
- Number of keys: 2 servant keysTesting: BS EN 1303

Product ref.	Article description	Finish	Article no.
AR-MK-0550-A-MNP	Round mortice cylinder	MNP	87108413



# The **complete** range.



#### AR-KD-5110

ARRONE Euro profile 5 pin cylinder:

- Cylinder type: Single cylinderKeying function: Keyed to differ
- Number of keys: 3 keys cut to differ

Product ref.	Article description	Finish	Article no.
AR-KD-5110-A-PB	40 mm euro profile single cylinder	PB	87112032
AR-KD-5110-A-NP	40 mm euro profile single cylinder	NP	87112039

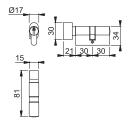




#### AR-KD-5121

- Cylinder type: Key and turn cylinderKeying function: Keyed to differ
- Number of keys: 3 keys cut to differ

Product ref.	Article description	Finish	Article no.
AR-KD-5121-AA-PB	60 mm euro profile cylinder with oval type turn (30+30)	PB	87112088
AR-KD-5121-AA-NP	60 mm euro profile cylinder with oval type turn (30+30)	NP	87112095
AR-KD-5121-BB-PB	70 mm euro profile cylinder with oval type turn (35+35)	PB	87112102
AR-KD-5121-BB-NP	70 mm euro profile cylinder with oval type turn (35+35)	NP	87112109
AR-KD-5121-CC-NP	80 mm euro profile cylinder with oval type turn (40+40)	NP	87112123



### Cylinders

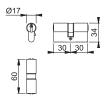


#### **AR-KD-5130**

ARRONE Euro profile 5 pin cylinder:

- Cylinder type: Double cylinder
- Keying function: Keyed to differ
- Number of keys: 3 keys cut to differ

Product ref.	Article description	Finish	Article no.
AR-KD-5130-AA-PB	60 mm euro profile double cylinder (30+30)	PB	87112046
AR-KD-5130-AA-NP	60 mm euro profile double cylinder (30+30)	NP	87112053
AR-KD-5130-BB-PB	70 mm euro profile double cylinder (35+35)	PB	87112060
AR-KD-5130-BB-NP	70 mm euro profile double cylinder (35+35)	NP	87112067
AR-KD-5130-CC-PB	80 mm euro profile double cylinder (40+40)	PB	87112074
AR-KD-5130-CC-NP	80 mm euro profile double cylinder (40+40)	NP	87112081

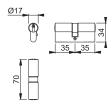




#### **AR-780**

- Cylinder type: Double cylinder
- Keying function: Master keyed
- Number of keys: 3 servant keys

Product ref.	Article description	Finish	Article no.
AR780-B-SC	70 mm euro profile double cylinder (35+35)	SC	8560634



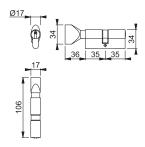


#### **AR-781**

ARRONE Euro profile 6 pin cylinder:

- Cylinder type: Key and turn cylinder
  Keying function: Master keyed
  Number of keys: 3 servant keys

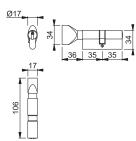
Product ref.	Article description	Finish	Article no.
AR781-B-SC	70 mm euro profile cylinder with turn (35+35)	SC	8560648



#### **AR-781**

- Cylinder type: Key and turn cylinder
- Keying function: Master keyed
- Number of keys: 3 servant keys

Product ref.	Article description	Finish	Article no.
AR781-B-PB	70 mm euro profile cylinder with turn (35+35)	PB	8560641



### Cylinders

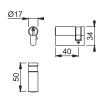


#### **AR-782**

ARRONE Euro profile 6 pin cylinder:

- Cylinder type: Single cylinder
- Keying function: Master keyed
- Number of keys: 3 servant keys

Product ref.	Article description	Finish	Article no.
AR782-C-SC	50 mm euro profile half cylinder	SC	8560662



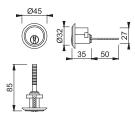


#### **AR-786**

ARRONE 6 pin rim cylinder:

- Cylinder type: Rim cylinder
- Keying function: Master keyed
- Number of keys: 3 servant keys

Product ref.	Article description	Finish	Article no.
AR786-SC	Rim cylinder	SC	8560718



## Panic and Emergency Exit Hardware

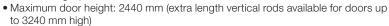




### Panic and Emergency Exit Hardware

#### **AR880**

ARRONE single panic bolt:



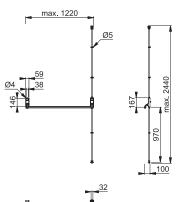
- Maximum door width: 1220 mm
- Maximum door weight: 200 kgs
- Fixing: Timber fixing screws supplied (Steel door fixing packs available separately)
- Supplied with "Push Bar To Open" signage
- Testing: **BS EN1125: 2008** (Classification 3 | 7 | 6 | B | 1 | 4 | 2 | 2 | A | A ), **BS EN 1634** Part 1: Assessed for use on 30, 60 and 120 minute timber fire doors and 240 minute steel fire doors
- CE Marked: AAA005, UKCA Marked: AAA7651
- Certifire approved: CF810, CE DOP: HUK0022, UKCA DOP: HUK0022-UK
- Note: In accordance with the scope of EN 1125, doors up to 2500 mm high and 1300 mm width are covered by the standard. Doors taller or wider than this will not be covered by the standard and the test evidence gained.



certifire



Product ref.	Article description	Finish	Article no.
AR880-SE	Single panic bolt	SE	8510689
AR880-GE	Single panic bolt	GE	8510640
AR880-SSS	Single panic bolt	SSS	8510696
AR880-BL	Single panic bolt	BL	8510577
AR880-SE XL	AR880 EXTRA LONG TOP SHOOTS	SE	8510619



For compatible outside access devices please refer to products on pages 285 – 287 incl.



# ARRONE® The complete range.





#### **AR882**

ARRONE single panic latch:

- Maximum door width: 1220 mm
- Maximum door weight: 200 kgs
- Fixing: Timber fixing screws supplied (Steel door fixings available separately)
- Supplied with "Push Bar To Open" signage
- Testing: BS EN 1125:2008 (Classification 3 | 7 | 6 | B | 1 | 4 | 2 | 2 | A | A ); BS EN 1634 Part 1. Assessed for use on 30, 60 and 120 minute timber fire doors and 240 minute steel fire doors.
- CE Marked: AAA005, UKCA Marked: AAA7651
- Certifire approved: CF810, CE DOP: HUK0022, UKCA DOP: HUK0022-UK
- Note: In accordance with the scope of EN 1125, doors up to 1300 mm width are covered by the standard. Doors wider than this will not be covered by the standard and the test evidence gained.



certifire



Product ref.	Article description	Finish	Article no.
AR882-SE	Single panic bolt	SE	8510934
AR882-GE	Single panic bolt	GE	8510892
AR882-SSS	Single panic bolt	SSS	8510941
AR882-BL	Single panic bolt	BL	8510843



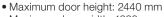
For compatible outside access devices please refer to products on pages 285 – 287 incl and 293 – 295 incl.

### Panic and Emergency Exit Hardware



ARRONE combination unit for double rebated doors:

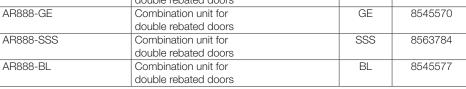




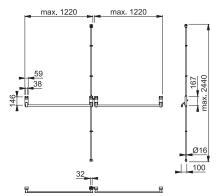
- Maximum door width: 1220 mm
- Maximum door weight: 200 kgs
- Fixing: Timber fixing screws supplied (Steel door fixing packs available separately)
- Supplied with "Push Bar To Open" signage
- Testing: BS EN 1125:2008 (Classification 3 | 7 | 6 | B | 1 | 4 | 2 | 2 | A | A ); BS EN 1634 Part 1. Assessed for use on 30, 60 and 120 minute timber fire doors and 240 minute steel fire doors.
- CE Marked: AAA005, UKCA Marked: AAA7651
- Certifire approved: CF810, CE DOP: HUK0022, UKCA DOP: HUK0022-UK



Product ref.	Article description	Finish	Article no.
AR888-SE	Combination unit for double rebated doors	SE	8545563
AR888-GE	Combination unit for double rebated doors	GE	8545570
AD000 000	On and in adding a small face	000	0500704







For compatible outside access devices please refer to products on pages 285 – 287 incl.







ARRONE single push pad:

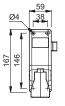
- Maximum door weight: 200 kgs
- Fixing: Timber fixing screws supplied (Steel door fixings available separately)
  Supplied with "Push Pad To Open" signage
- Testing: BS EN 179:2008; BS EN 1634 Part 1. Assessed for use on 30, 60 and 120 minute timber fire doors and 240 minute steel fire doors.
- CE Marked: ABB015, UKCA Marked: ABB7654
- Certifire approved: CF810, CE DOP: HUK0023, UKCA DOP: HUK0023-UK







Product ref.	Article description	Finish	Article no.
AR883-SE	Single push pad	SE	8511060
AR883-GE	Single push pad	GE	8511011
AR883-SSS	Single push pad	SSS	8511067
AR883-BL	Single push pad	BL	8510962







For compatible outside access devices please refer to products on pages 285 – 287 incl and 293 – 295 incl.



### Panic and Emergency Exit Hardware

#### **AR884**

ARRONE push pad bolt:

- Maximum door height: 2440 mm
- Maxium door weight: 200 kgs
- Function: vertical bolt and push pad
- Material: zinc
- Device type: push bar
- Supplied with "Push Bar To Open" signage
- Certifire approved: CF810, CE DOP: HUK0023, UKCA DOP: HUK0023-UK
  - **BS EN 179:2008** (Classification 3 | 7 | 6 | B | 1 | 4 | 2 | 2 | B | B)
- CE Marked: ABB015, UKCA Marked: ABB7654
- Testing: **BS EN 1634-1**. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.

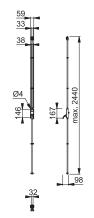


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Product ref.	Article description	Finish	Article no.
AR884-SE	Single push pad panic bolt	SE	8511130
AR884-GE	Single push pad panic bolt	GE	8511102
AR884-SSS	Single push pad panic bolt	SSS	8511137
AR884-BL	Single push pad panic bolt	BL	8511088



For compatible outside access devices please refer to products on pages 285 – 287 incl.





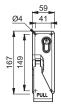


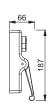
ARRONE single lift pad outside access device:

- Maximum door weight: 200 kgs
- Fixing: Timber fixing screws supplied (Steel door fixings available separately)
  Testing: Included as part of both single and double door sets in accordance with the requirements of BS EN 1125: 2008 and BS EN 179: 2008, BS EN 1634 Part 1. Assessed for use on 30 minute timber fire doors
- Included as an accessory on CE certificate AAA005, ABB015, UKCA certificate UK-AAA7651 and UK-ABB7654
- Included as an accessory on Certifire certificate CF810 and DoP's HUK0022, HUK0023, HUK0022-UK, HUK0023-UK



Product ref.	Article description	Finish	Article no.
AR885-SE	Pad operated external locking attachment, with cylinder	SE	8511158
AR885-GE	Pad operated external locking attachment, with cylinder	GE	8511151
AR885-BL	Pad operated external locking attachment, with cylinder	BL	8511144









### Panic and Emergency Exit Hardware



#### **AR885K**

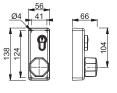
ARRONE octagonal knob outside access device:

- Function: Knob and key operation
- Body material: Zinc
- Lever material: Zinc
- Maximum door weight: 200 kg
- Options: Device without cylinder (AR886K)
- Testing: Included as part of both single and double door sets in accordance with the requirements of BS EN 1125: 2008 and BS EN 179: 2008, BS EN 1634 Part
- 1. Assessed for use on 30 minute timber fire doors
- Included as an accessory on CE certificate AAA005, ABB015, UKCA certificate UK-AAA7651 and UK-ABB7654
- Included as an accessory on Certifire certificate CF810 and DoP's HUK0022, HUK0023, HUK0022-UK, HUK0023-UK





Product ref.	Article description	Finish	Article no.
AR885K-SE	Octagonal knob operated external locking attachment, with cylinder	SE	87100223
AR885K-GE	Octagonal knob operated external locking attachment, with cylinder	GE	87100224
AR885K-BL	Octagonal knob operated external locking attachment, with cylinder	BL	87100225



Approved for use with AR880/882/883/884/888 units





#### AR885L

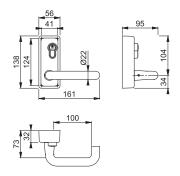
ARRONE lever operated outside access device:

- Function: Lever and key operation
- Body material: Zinc
- Lever material: Aluminium
- Maximum door weight: 200 kg
- Options: Device without cylinder (AR886L)
- Testing: Included as part of both single and double door sets in accordance with the requirements of BS EN 1125: 2008 and BS EN 179:2008, BS EN 1634 Part
- 1. Assessed for use on 30 and 60 minute timber fire doors
- Included as an accessory on CE certificate AAA005, ABB015, UKCA certificate UK-AAA7651 and UK-ABB7654
- Included as an accessory on Certifire certificate CF810 and DoP's HUK0022, HUK0023, HUK0022-UK, HUK0023-UK





Product ref.	Article description	Finish	Article no.
AR885L-SE	lever operated outside access device, with cylinder	SE	50015606
AR886L-SE	lever operated outside access device,	SE	50015618





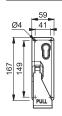


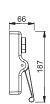
- Maximum door weight: 200 kgs
- Fixing: Timber fixing screws supplied (Steel door fixings available separately)
- Testing: Included as part of both single and double door sets in accordance with the requirements of BS EN 1125: 2008 and BS EN 179: 2008, BS EN 1634 Part
  - 1. Assessed for use on 30 minute timber fire doors
- Included as an accessory on CE certificate AAA005, ABB015, UKCA certificate UK-AAA7651 and UK-ABB7654
- Included as an accessory on Certifire certificate CF810 and DoP's HUK0022, HUK0023, HUK0022-UK, HUK0023-UK





Product ref.	Article description	Finish	Article no.
AR886-SE	Pad operated external locking attachment, without cylinder	SE	8511179
AR886-GE	Pad operated external locking attachment, without cylinder	GE	8511172
AR886-BL	Pad operated external locking attachment, without cylinder	BL	8511165









### Panic and Emergency Exit Hardware



#### **AR886K**

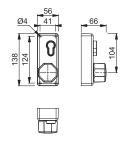
ARRONE octagonal knob outside access device:

- Function: Knob and key operation
- Body material: Zinc
- Lever material: Zinc
- Maximum door weight: 200 kg
- Options: Device with cylinder (AR885K)
- Testing: Included as part of both single and double door sets in accordance with the requirements of BS EN 1125: 2008 and BS EN 179: 2008, BS EN 1634 Part
- 1. Assessed for use on 30 minute timber fire doors
- Included as an accessory on CE certificate AAA005, ABB015, UKCA certificate UK-AAA7651 and UK-ABB7654
- Included as an accessory on Certifire certificate CF810 and DoP's HUK0022, HUK0023, HUK0022-UK, HUK0023-UK





Product ref.	Article description	Finish	Article no.
AR886K-SE	Octagonal knob operated external locking attachment, without cylinder	SE	87100226
AR886K-GE	Octagonal knob operated external locking attachment, without cylinder	GE	87100227
AR886K-BL	Octagonal knob operated external locking attachment, without cylinder	BL	87100228



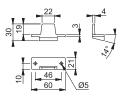
#### **AR887**



ARRONE double door strike:

- Material: Zinc base material
- Fixing: Timber screws

Product ref.	Article description	Finish	Article no.
AR887-SE	Double door strike	SE	8511193





#### AR8800-2

ARRONE touchbar panic bolt- 2 point:

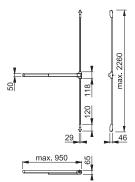


- Maximum door height: 2200 mm (extra length vertical rods available for doors up to 2500 mm high)
- Total device length: 962 mm
- Maximum door weight: 200 kgs
- Maximum door width: 1000 mm
- Fixing: Timber fixing screws supplied (Steel door fixings and strike plates available separately)
- Supplied with "Push Bar To Open" signage
- Testing: **BS EN 1125: 2008** (Classification  $3 \mid 7 \mid 6 \mid B \mid 1 \mid 3 \mid 2 \mid 2 \mid B \mid A$ ), **BS EN 1634 Part 1:** Assessed for use on 30, 60 and 120 minute timber fire doors and 240 minute steel fire doors.
- CE Marked: AAA5002, UKCA Marked: AAA7652
- Certifire approved: CF5180, CE DOP: HUK0036, UKCA DOP. HUK0036-UK
- Note: In accordance with the scope of EN 1125, doors up to 2500 mm high and 1300 mm width are covered by the standard. Doors taller or wider than this will not be covered by the standard and the test evidence gained.





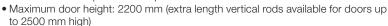
Product ref.	Article description	Finish	Article no.
AR8800-2-SE	Touchbar panic bolt 2 point locking	SE	87134021
AR8800-2-SSS	Touchbar panic bolt 2 point locking	SSS	87134028



# Panic and Emergency Exit Hardware

#### AR8800-3

ARRONE touchbar panic bolt- 3 point:



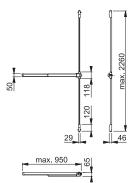
- Total device length: 962 mm
- Maximum door weight: 200 kgs
- Maximum door width: 1000 mm
- Fixing: Timber fixing screws supplied (Steel door fixings and strike plates available separately)
- Supplied with "Push Bar To Open" signage
- Testing: **BS EN1125: 2008** (Classification 3 | 7 | 6 | B | 1 | 3 | 2 | 2 | B | A), **BS EN1634 Part 1:** Assessed for use on 30, 60 and 120 minute timber fire doors and 240 minute steel fire doors.
- CE Marked: AAA5002, UKCA Marked: AAA7652
- Certifire approved: CF5180, CE DOP: HUK0036, UKCA DOP: HUK0036-UK
- Note: In accordance with the scope of EN 1125, doors up to 2500 mm high and 1300 mm width are covered by the standard. Doors taller or wider than this will not be covered by the standard and the test evidence gained.



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Product ref.	Article description	Finish	Article no.
AR8800-3-SE	Touchbar panic bolt 3 point locking	SE	87134035
AR8800-3-SSS	Touchbar panic bolt 3 point locking	SSS	87134042





# ARRONE® The complete range.



#### AR8802

ARRONE touchbar single panic latch:

- Total device length: 950 mm
- Maximum door weight: 200 kgs
- Maximum door width: 1000 mm
- Fixing: Timber fixing screws supplied (Steel door fixings and strike plates available separately)
- Supplied with "Push Bar To Open" signage
- Testing: **BS EN 1125: 2008** (Classification 3 | 7 | 6 | B | 1 | 3 | 2 | 2 | B | A ), **BS EN 1634 Part 1:** Assessed for use on 30, 60 and 120 minute timber fire doors and 240 minute steel fire doors.
- CE Marked: AAA5002, UKCA Marked: AAA7652
- Certifire approved: CF5180, CE DOP: HUK0036, UKCA DOP: HUK0036-UK
- Note: In accordance with the scope of EN 1125, doors up to 1300 mm width are covered by the standard. Doors wider than this will not be covered by the standard and the test evidence gained.

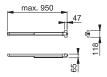


certifire



UK CA

Product ref.	Article description	Finish	Article no.
AR8802-SE	Touchbar single panic latch	SE	87134007
AR8802-SSS	Touchbar single panic latch	SSS	87134014



# Panic and Emergency Exit Hardware



#### **AR8808**

ARRONE touchbar combination unit for double rebated doors:

• Maximum door height: 2,200 mm (extra length vertical rods available for doors up to 2,500 mm high)

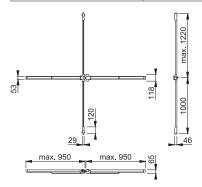
- Maximum door width: 1,000 mm
- Maximum door weight: 200 kgs
- Fixing: Timber fixing screws supplied (Steel door fixings and strike plates available separately)
- Supplied with "Push Bar To Open" signage
- Testing: BS EN 1125:2008 (Classification 3 | 7 | 6 | B | 1 | 3 | 2 | 2 | B | A ), BS EN 1634 Part 1: Assessed for use on 30, 60 and 120 minute timber fire doors and 240 minute steel fire doors.
- CE Marked: AAA5002, UKCA Marked: AAA7652
- Certifire approved: CF518, CE DOP: HUK0036, UKCA DOP: HUK0036-UK
- Note: In accordance with the scope of EN 1125, doors up to 2500 mm high and 1300 mm width are covered by the standard. Doors taller or wider than this will not be covered by the standard and the test evidence gained.



certifire



Product ref.	Article description	Finish	Article no.
AR8808-SE	Combination unit for double rebated doors	SE	87139032
AR8808-SSS	Combination unit for double rebated doors	SSS	87139039



Only AR8805 and AR8806 outside access devices are certified for use with AR8800 Touchbar products.







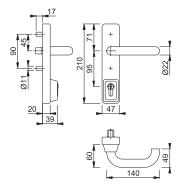
ARRONE lever operated outside access device:

- Function: Lever and key operation
- Body material: Stainless Steel
- Lever material: Stainless Steel
- Maximum door weight: 200 kg
- Options: Device without cylinder AR8806
- Testing: Included as part of both single and double door sets in accordance with the requirements of BS EN 1125: 2008 and BS EN 179:2008, BS EN 1634 Part
  - 1: Assessed for use on 30 and 60 minute timber fire doors and 240 minute steel doors
- Included as an accessory on CE certificate AAA005, ABB015, UKCA certificate UK-AAA7651 and UK-ABB7654
- Included as an accessory on Certifire certificate CF810 and DoP's HUK0022, HUK0023, HUK0022-UK, HUK0023-UK





Product ref.	Article description	Finish	Article no.
AR8805-SE	Return to door lever operated external locking attachment, with cylinder	SE	87138388
AR8805-SSS	Return to door lever operated external locking attachment, with cylinder	SSS	87134063



Approved for use with AR8800-2, AR8800-3, AR8802, AR882 and AR883 products

When used with AR882/883 fixing plate 50001413 needs to be used - sold separately

# Panic and Emergency Exit Hardware



#### **AR8806**

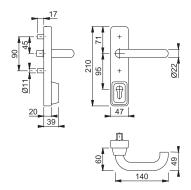
ARRONE lever operated outside access device:

- Function: Lever and key operation
- Body material: Stainless Steel
- Lever material: Stainless Steel
- Maximum door weight: 200 kg
- Options: Device with cylinder (AR8805)
- Testing: Included as part of both single and double door sets in accordance with the requirements of BS EN 1125: 2008 and BS EN 179:2008, BS EN 1634 Part
  - 1: Assessed for use on 30 and 60 minute timber fire doors and 240 minute steel doors
- Included as an accessory on CE certificate AAA005, ABB015, UKCA certificate UK-AAA7651 and UK-ABB7654
- Included as an accessory on Certifire certificate CF810 and DoP's HUK0022, HUK0023, HUK0022-UK, HUK0023-UK





Product ref.	Article description	Finish	Article no.
AR8806-SE	Return to door lever operated external locking attachment, without cylinder	SE	87138402
AR8806-SSS	Return to door lever operated external locking attachment, without cylinder	SSS	87134070



Approved for use with AR8800-2, AR8800-3, AR8802, AR882 and AR883

When used with AR882/883 fixing plate 50001413 needs to be used - sold separately





#### **AR515-PK**

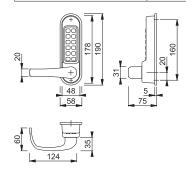
ARRONE mechanical push button lock:

- Function: Lever handle operation
- Fully reversible return to door lever
- 12 digit pin tumbler system
- Spindle pack supplied for operation with panic / emergency exit devices
- Suitable for internal or external use
- Supplied with rubber backing plate for protection from external weather and torx anti tamper fixings
- Suitable for timber or metal doors from 33 mm to 55 mm thick
- Testing: BS EN 1634-1. For use on 30 minute timber fire doors





Product ref.	Article description	Finish	Article no.
AR-515-MC-PK	Lever operated mechanical push button lock	MC	87138500
AR-515-SSS-PK	Lever operated mechanical push button lock	SSS	87138507



Approved for use with AR880/882/882/884 and 888 products

# Panic and Emergency Exit Hardware

#### **Accessories**

Product ref.	Article description	Finish	Article no.
AR887-SE	Double door strike	SE	8511193
AR880-ELTS-SE	• 2m extended top shoot	SE	8510619
AR880-TT	• Top trip	SE	87100545
AR880-BG	Vertical shoot bolt guide	SE	87100546
AR880-TTP	Top trip plug		87100547
AR880-BP	Vertical shoot bolt bottom plug		87100552
AR880-SP	Horizontal bar side plug	BL	87100553
AR880-TS	• Top strike		87100554
AR880-BS	Bottom strike		87100555
AR880-VB-SE	Vertical bar only	SE	87100627
AR880-HB-SE	Horizontal bar only	SE	87100628
AR880-SVS-BOTTOM	Vertical shoot bolt rod (bottom)	SE	87104005
AR8800-RC-SSS	Rod covers (pair)	SSS	87138738
AR8800-RC-SE	Rod covers (pair)	SE	87138752
AR8800-ROD	Vertical rod		87138759
AR8800-GUIDE	Vertical rod guide		87138766
AR-LATCH-STRIKE	Strikeplate pack for panic latch		87138773
AR-PULL-STRIKE	Strikeplate pack for Pullman latch		87138780
AR-PULLMAN-SSS	Pullman latch pack	SSS	87138794
AR-PULLMAN-SE	Pullman latch pack	SE	87138808

#### **Fixing Packs**

Product ref.	Article description	Finish	Article no.
AR880-FP	AR880 fixing pack		87100548
AR880-FP/SD	AR880 fixing pack for metal door		87134581
AR882-FP/SD	AR882 fixing pack for metal door		87134588
AR883-FP/SD	AR883 fixing pack for metal door		87134595
AR884-FP/SD	AR884 fixing pack for metal door		87134602
AR888-FP/SD	AR888 fixing pack for metal door		87134623

# The **complete** range.

#### **AR914**

ARRONE mortice nightlatch case:

- Function: Latch bolt with anti thrust operation
- Forend/strike material: Stainless steel
- Forend type: Single
- CE Marked: ABB010, AG0067, UKCA Marked: ABB7653, AG7668
- **BS EN 12209**: 3 | X | 8 | 1\* | 0 | G | | B | 0 | 3 | 0
- BS EN 179: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | B BS EN 179: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | D
- Certifire approved: CF530, CE DOP: HUK0011 and HUK0052, UKCA DOP: HUK001-UK and HUK0052-UK
- Testing: BS EN 1634-1. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- To comply with BS EN 179 certification, only lever handles and associated fixings included in the test evidence must be used.
- Meets dimensional recommendations of BS 8300 and ADM for locks
- \* The AR914 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.

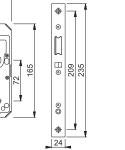


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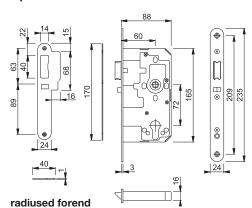
Product ref.	Article description	Finish	Article no.
AR914-S-60-SSS	Mortice nightlatch case (60 mm backset, square forend)	SSS	87107877
AR914-S-60-PSS	Mortice nightlatch case (60 mm backset, square forend)	PSS	87107878
AR914-S-60-PB	Mortice nightlatch case (60 mm backset, square forend)	PB	87107879

AR914-R-60-SSS	Mortice nightlatch case	SSS	87107880
	(60 mm backset, radiused forend)		
AR914-R-60-PSS	Mortice nightlatch case	PSS	87107881
	(60 mm backset, radiused forend)		
AR914-R-60-PB	Mortice nightlatch case	PB	87107882
	(60 mm backset, radiused forend)		



square forend

170



88

For all spindles and accessories, see page 246

For suitable rebate sets, see page 188



square forend

radiused forend

# Panic and Emergency Exit Hardware

# 6

square forend



radiused forend

#### **AR915**

ARRONE mortice apartment lock case:

- Function: Latch bolt and deadbolt with escape operation
- Forend/strike material: Stainless steel
- Forend type: Single
- Follower: 8 mm split follower with self locating plate to allow easy reversibility of the escape function. Supplied with AR228A (100 mm) and AR228B (120 mm) spindles for split follower lock
- CE Marked: AG0067, ABB010, UKCA Marked: AG7668
- **BS EN 12209**: 3 | X | 8 | 1\* | 0 | G | 4 | B | A | 3 | 0
- **BS EN 179**: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | B
- **BS EN 179**: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | D
- Certifire approved: CF530, CE DOP: HUK0012 and HUK0035, UKCA DOP: HUK0012-UK and HUK0035-UK
- Testing: **BS EN 1634-1**. Assessed for use on 30, 60, 90 and 120 minute timber fire doors and 240 minutes steel fire doors.
- To comply with BS EN 179 certification, only lever handles and associated fixings included in the test evidence must be used.
- $\bullet$  Meets dimensional recommendations of BS 8300 and ADM for locks
- \* The AR915 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.

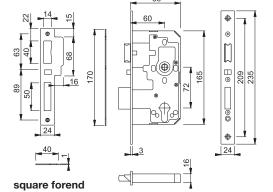


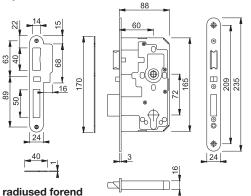
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Product ref.	Article description	Finish	Article no.
AR915-S-60-SSS	Mortice apartment lock (60 mm backset, square forend)	SSS	87107883
AR915-S-60-PSS	Mortice apartment lock (60 mm backset, square forend)	PSS	87107884
AR915-S-60-PB	Mortice apartment lock (60 mm backset, square forend)	PB	87107885

AR915-R-60-SSS	Mortice apartment lock	SSS	87107886
	(60 mm backset, radiused forend)		
AR915-R-60-PSS	Mortice apartment lock	PSS	87107887
	(60 mm backset, radiused forend)		
AR915-R-60-PB	Mortice apartment lock	PB	87107888
	(60 mm backset, radiused forend)		





For all spindles and accessories, see page 246

For suitable rebate sets, see page 188

# The **complete** range.

square forend



radiused forend

#### AR915-ESC

ARRONE mortice escape lock case:

- Function: Latch bolt and deadbolt with escape operation for half set lever handle
- Deadbolt projection: 21 mm, single throw
- Forend/strike material: Stainless steel
- Forend type: Single
- CE Marked: ABB010, UKCA Marked: AG7668
- **BS EN 179**: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | B **BS EN 179**: 3 | 7 | 6 | B | 1 | 4 | 4 | 1 | A | D
- Certifire approved: CF530,CE DOP: HUK0035 and HUK0012, UKCA DOP: HUK0035-UK and HUK0012-UK • Testing: BS EN 1634-1. Assessed for use on 30, 60, 90 and 120 minute timber fire
- doors and 240 minutes steel fire doors. • To comply with BS EN 179 certification, only lever handles and associated
- fixings included in the test evidence must be used.
- Meets dimensional recommendations of **BS 8300** and ADM for locks
- \* The AR915 series lock case has been successfully fire tested with the use of an intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.

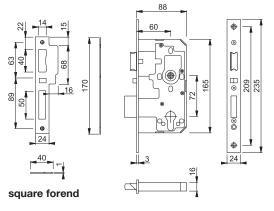


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Product ref.	Article description	Finish	Article no.
AR915-ESC-S-60-SSS	Mortice escape lock case (60 mm backset, square forend)	SSS	50001450
AR915-ESC-S-60-PSS	Mortice escape lock case (60 mm backset, square forend)	PSS	50001474
AR915-ESC-S-60-PB	Mortice escape lock case (60 mm backset, square forend)	PB	50001498

AR915-ESC-R-60-SSS	Mortice escape lock case	SSS	50001462
	(60 mm backset, radiused forend)		
AR915-ESC-R-60-PSS	Mortice escape lock case	PSS	50001486
	(60 mm backset, radiused forend)		
AR915-ESC-R-60-PB	Mortice escape lock case	PB	50001504
	(60 mm backset, radiused forend)		



**⊞**⊚ 235 24 radiused forend

For all spindles and accessories, see page 246

> For suitable rebate sets, see page 188

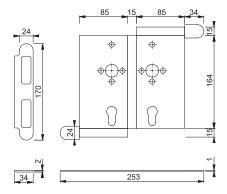


#### AR/INT-AR900-ADJ-STR

ARRONE intumescent pack:

- Intumescent pack to suit ARRONE AR910, AR913, AR915 lockcasess
- 1 mm thickness
- Consists of: 1 x lockcase & forend pad, 2 x 1 mm thickness strikeplate pads
- Material: Mono Ammonium Phosphate

Product ref.	Article description	Finish	Article no.
AR/INT-AR900	Intumescent pack		50015315
AR/INT-AR900	Intumescent pack		50017731



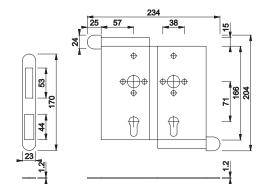


#### **ARRONE® Intumescent Pack AR/INT-DIN-LOCKS**

ARRONE intumescent pack:

- Intumescent pack to suit ARRONE 72 mm centres DIN lockcases
- 1 mm thickness
- Consists of: 1 x lockcase & forend pad, 1 x strikeplate pad
- Material: Mono Ammonium Phosphate

Product ref.	Article description	Article no.
AR/INT-DIN-LOCKS-60	Intumescent pack to suit 72 mm locks,	87134490
	24 mm forend, 60 mm backset	
AR/INT-DIN-LOCKS-80	Intumescent pack to suit 72 mm locks,	50003410
	24 mm forend, 80 mm backset	



The AR900 and AR8100 series lock cases have been successfully fire tested with the use of this intumescent kit. The supply and fitting of this intumescent kit is essential to the products compliance with the fire test and CE marking evidence it has gained. HOPPE takes no responsibility for any locks purchased and fitted without sufficient intumescent protection.



# HOPPE and ARRONE® door furniture certified for use with ARRONE® AR915, AR915-ESC Escape Locks & AR914 Nightlatch

#### Aluminium (F1, F3)

Product ref.	Article description	Page
138S Paris Series	Lever on Rose and Lever on Backplate	64
1138 Marseille Series	Lever on Rose and Lever on Backplate	63

#### Nylon (all colours)

Product ref.	Article description	Page
K138 Paris Series	Lever on Rose and Lever on Backplate	74

#### Stainless Steel (F68, F69)

Product ref.	Article description	Page
E138Z/849N Paris Series	Lever on Rose	73
EX138Z Paris Series	Lever on Rose	72
EX1138Z Marseille Series	Lever on Rose	63
E1138Z Marseille Series	Lever on Rose	64

#### **Spindles & Accessories**

Product ref.	Article description	Article no.
AR228-PACK	Spindle pack to suit AR915	87109443
AR228C	8x140 mm Spindle to suit split follower locks	87107099
AR228F-44	Spindle to suit half-set lever furniture, 44 mm DT	50001644
AR228F-54	Spindle to suit half-set lever furniture, 54 mm DT	50001656
AR914/915-HS-PLATE	Fixing plate for half-set lever furniture	87137401

# Architectural Accessories and Signs





# Floor Fix Door Stop



#### **AR122**

ARRONE aluminium floor fix door stop:

- With one-sided rubber buffer
- Fixing: visible, multi-purpose screw and plastic dowel

Product ref.	Article description	Finish	Article no.
AR122-SAA	Shielded floor fix door stop	SAA	8500483









#### **AR123**

ARRONE aluminium floor fix door stop:

- With one-sided rubber buffer
- Fixing: visible, multi-purpose screw and plastic dowel

Product ref.	Article description	Finish	Article no.
AR123A-SAA	25 mm shielded floor fix door stop	SAA	8500490
AR123B-SAA	41 mm shielded floor fix door stop	SAA	8500497







#### AR334E



ARRONE stainless steel floor fix door stop:

- With one-sided rubber buffer
- Fixing: visible, multi-purpose screw and plastic dowel

Product ref.	Article description	Finish	Article no.
AR334E-SSS	Shielded floor fix door stop	SSS	87104402
AR334E-PSS	Shielded floor fix door stop	PSS	87104403









#### AR334F

ARRONE stainless steel floor fix door stop:

- With rubber buffer ring
- Fixing: concealed, hanger bolt and plastic dowel

Product ref.	Article description	Finish	Article no.
AR334F-SSS	Dome shape floor fix door stop	SSS	87104404
AR334F-PSS	Dome shape floor fix door stop	PSS	87104405





#### **AR334I**

ARRONE circular covered door stop:

- Material: Stainless steel grade 304
- Fixing: Floor mounted with buffer

Product ref.	Article description	Finish	Article no.
AR334I-SSS	Shielded floor fix door stop 60/65/22	SSS	50015308







#### **AR334J**



- ARRONE door stop:
- Heavy pattern door stop
- Fixing: Floor mounted with buffer
- Material:Stainless steel grade 304

Product ref.	Article description	Finish	Article no.
AR334J-SSS	Shielded floor fix door stop with buffer	SSS	50012812







# Floor ans Wall Fix Door Stop



#### K486 (AR613)

HOPPE nylon floor fix door stop:

- With attached rubber buffer
- Fixing: concealed, multi-purpose screw and plastic dowel

Product ref.	Article description	Finish	Article no.
AR613-Y	Floor fix door stop	F1004	538515
AR613-R	Floor fix door stop	F3003	566150
AR613-CL	Floor fix door stop	F3005	624546
AR613-CO	Floor fix door stop	F5002	538522
AR613-MB	Floor fix door stop	F5003	538539
AR613-V	Floor fix door stop	F6016	538546
AR613-AG	Floor fix door stop	F7016	3414874
AR613-DG	Floor fix door stop	F7506	584055
AR613-DW	Floor fix door stop	F9016	566174
AR613-E	Floor fix door stop	F9017	584062



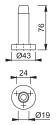


#### **AR130B**

ARRONE aluminium wall fix door stop on rose:

- With attached rubber buffer
- Fixing: concealed, multi-purpose screws

Product ref.	Article description	Finish	Article no.
AR130B-SAA	76 mm wall fix door stop on rose	SAA	8500581





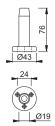


#### **AR130D**

ARRONE aluminium wall fix door stop on rose:

- With attached rubber buffer
- Fixing: visible, multi-purpose screws

Product ref.	Article description	Finish	Article no.
AR130D-SAA	76 mm face wall fix door stop on rose	SAA	8500595



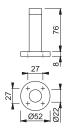
#### **AR334A**



ARRONE stainless steel wall fix door stop on rose:

- With attached rubber buffer
- Fixing: concealed, multi-purpose screws

Product ref.	Article description	Finish	Article no.
AR334A-SSS	76 mm wall fix door stop on rose	SSS	8506328
AR334A-PSS	76 mm wall fix door stop on rose	PSS	8506335



#### **AR334B**



ARRONE stainless steel wall fix door stop:

- With attached rubber buffer
- Fixing: concealed, multi-purpose screw

Product ref.	Article description	Finish	Article no.
AR334B-SSS	76 mm wall fix door stop	SSS	8506342
AR334B-PSS	76 mm wall fix door stop	PSS	8506349







ARRONE hat and coat hook:

• Strip pattern hat and coat hook

Product ref.	Article description	Finish	Article no.
AR135A-SAA	89 mm strip pattern hat and coat hook	SAA	8500679
AR135B-SAA	125 mm strip pattern hat and coat hook	SAA	8500693





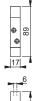


#### **AR136**

ARRONE hat and coat hook:

• 89 mm hat and coat hook

Product ref.	Article description	Finish	Article no.
AR136-SAA	89 mm hat and coat hook	SAA	8500700







#### **AR137**

ARRONE hat and coat hook:

• Strip pattern wardrobe hook

Product ref.	Article description	Finish	Article no.
AR137-SAA	Strip pattern coat hook	SAA	8500707







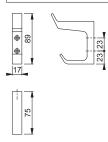




ARRONE hat and coat hook:

• Heavy pattern hat and coat hook

Product ref.	Article description	Finish	Article no.
AR217-SAA	Heavy pattern hat and coat hook	SAA	8504452

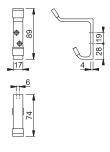


#### **AR218**

ARRONE hat and coat hook:

Buffered hat and coat hook

Product ref.	Article description	Finish	Article no.
AR218-SAA	Buffered hat and coat hook	SAA	8504459

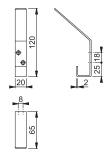


#### **AR317**

ARRONE hat and coat hook:

• Strip pattern hat and coat hook

Product ref.	Article description	Finish	Article no.
AR317-SSS	125 mm strip pattern hat and coat hook	SSS	8506013







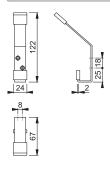




ARRONE hat and coat hook:

• Buffered hat and coat hook

Product ref.	Article description	Finish	Article no.
AR318-SSS	125 mm strip pattern buffered hat and coat hook	SSS	8506027



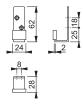


#### **AR319**

ARRONE wardrobe hook:

• Wardrobe hook

Product ref.	Article description	Finish	Article no.
AR319-SSS	Wardrobe hook	SSS	8506041



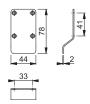


#### AR306P

ARRONE cylinder pull:

• Plain (or blank) cylinder pull

Product ref.	Article description	Finish	Article no.
AR306P-SSS	Plain pull	SSS	8505824

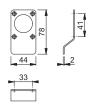




#### **AR306S**

ARRONE cylinder pull:
• Rim cylinder pull

Product ref.	Article description	Finish	Article no.
AR306S-SSS	Rim cylinder pull	SSS	8505838

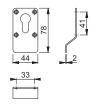




#### AR306YP

ARRONE cylinder pull:
• Euro profile cylinder pull

Product ref.	Article description	Finish	Article no.
AR306YP-SSS	Euro profile cylinder pull	SSS	8505866

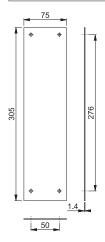




ARRONE aluminium finger plate:

- 75 mm x 305 mm
- Square corner
- Other sizes available to special order.

Product ref.	Article description	Finish	Article no.
AR146-SAA	75 mm x 305 mm finger plate	SAA	8500791

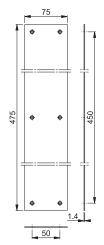


#### **AR224**

ARRONE finger plate:

- Material: Satin anodised aluminium
- Fixing: Drilled and countersunk supplied with wood screws
- Square corner

Product ref.	Article description	Finish	Article no.
AR224C-SAA	75 mm x 350 mm finger plate (square corner)	SAA	8562741
AR224D-SAA	75 mm x 475 mm finger plate (square corner)	SAA	8562748





AR224D





ARRONE finger plate:

- Material: Satin anodised aluminium
  Fixing: Drilled and countersunk supplied with wood screws
  Square with radius corners

Product ref.	Article description	Finish	Article no.
AR224A-SAA	75 mm x 300 mm finger plate (radius corners)	SAA	50014894
AR224C-SAA	75 mm x 350 mm finger plate (radius corners)	SAA	50014900
AR224F-SAA	75 mm x 475 mm finger plate (radius corners)	SAA	50014912



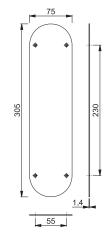


#### **AR224**

ARRONE finger plate:

- Material: Satin anodised aluminium
   Fixing: Drilled and countersunk supplied with wood screws
- Fullly Radiused corner

Product ref.	Article description	Finish	Article no.
AR224A-SAA	75 mm x 305 mm finger plate (fully radiused)	SAA	8504620





AR224A



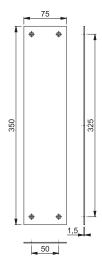
#### **AR324C**

ARRONE finger plate:

- Material: Grade 304 stainless steel
- Fixing: Drilled and countersunk supplied with wood screws
- Square corner

Product ref.	Article description	Finish	Article no.
AR324C-SSS	75 mm x 300 mm finger plate, radius corner	SSS	87108568
AR324C-SSS	75 mm x 350 mm finger plate, radius corner	SSS	50014924
AR324C-SSS-AM*	75 mm x 350 mm finger plate, radius corner	SSS-AM*	50016095
AR324C-SSS	100 mm x 450 mm finger plate, radius corner	SSS	50016106
AR324C-SSS	75 mm x 475 mm finger plate, radius corner	SSS	50014936
AR324C-SSS	75 mm x 350 mm finger plate, square corner	SSS	8506188
AR324C-PSS	75 mm x 350 mm finger plate, square corner	PSS	8506174

\*AM - Antimicrobial finish

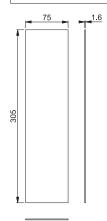




#### AR624B

ARRONE finger plate:
• Material: Nylon
• Fixing: Self adhesive
• Square corner

Product ref.	Article description	Finish	Article no.
AR624B-Y	350 mm x 75 mm finger plate	F1004	50004135
AR624B-R	350 mm x 75 mm finger plate	F3003	50004116
AR624B-CL	350 mm x 75 mm finger plate	F3005	50004050
AR624B-CO	350 mm x 75 mm finger plate	F5002	50004062
AR624B-MB	350 mm x 75 mm finger plate	F5003	50004104
AR624B-V	350 mm x 75 mm finger plate	F6016	50004128
AR624B-AG	350 mm x 75 mm finger plate	F7016	50004141
AR624B-DG	350 mm x 75 mm finger plate	F7506	50004074
AR624B-DW	350 mm x 75 mm finger plate	F9016	50004086
AR624B-E	350 mm x 75 mm finger plate	F9017	50004098





Fire door

#### AR901 - "Fire door keep locked"

ARRONE aluminium information sign:

- with lettering
- 76 mm diameter

Product ref.	Article description	Finish	Article no.
AR901-SAA	76 mm "Fire Door Keep Locked" sign	SAA	8511242



#### AR901 - "Fire door keep locked"

ARRONE stainless steel information sign:

- with lettering
- 76 mm diameter

Product ref.	Article description	Finish	Article no.
AR901-PSS	76 mm "Fire Door Keep Locked" sign	PSS	8511235
AR901-SSS	76 mm "Fire Door Keep Locked" sign	SSS	8511249



#### AR902 - "Fire door keep shut"



ARRONE aluminium information sign:

- with lettering
- 76 mm diameter

Product ref.	Article description	Finish	Article no.
AR902-SAA	76 mm "Fire Door Keep Shut" sign	SAA	8511277





#### AR902 - "Fire door keep shut"

ARRONE stainless steel information sign:

- with lettering
- 76 mm diameter

Product ref.	Article description	Finish	Article no.
AR902-PSS	76 mm "Fire Door Keep Shut" sign	PSS	8511270
AR902-SSS	76 mm "Fire Door Keep Shut" sign	SSS	8511284





#### AR902 - "Fire door keep shut"

ARRONE brass information sign:

- with lettering
- 76 mm diameter

Product ref.	Article description	Finish	Article no.
AR902-PB	76 mm "Fire Door Keep Shut" sign	PB	8511263



#### AR900 - "Keep Locked Shut"

ARRONE stainless steel information sign:

- with lettering
- 76 mm diameter

Product ref.	Article description	Finish	Article no.
AR900-SSS	76 mm "Keep Locked Shut" sign	SSS	8511221







#### AR915 - "Automatic Fire Door Keep Clear"

ARRONE stainless steel information sign:

- with lettering
- 76 mm diameter

Product ref.	Article description	Finish	Article no.
AR915-SSS	76 mm "Automatic Fire Door Keep Clear" sign	SSS	87105714





#### **AR308**

ARRONE stainless steel information sign:

• 76 mm diameter

Product ref.	Article description	Finish	Article no.
AR308-PUSH-PSS	76 mm "PUSH" sign	PSS	606085
AR308-PUSH-SSS	76 mm "PUSH" sign	SSS	605200
AR308-PULL-PSS	76 mm "PULL" sign	PSS	606467
AR308-PULL-SSS	76 mm "PULL" sign	SSS	605217







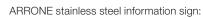
ARRONE aluminium information sign:

- with pictogram76 mm diameter

Product ref.	Article description	Finish	Article no.
AR903D-SAA	76 mm disabled WC sign	SAA	8511305
AR903F-SAA	76 mm female WC sign	SAA	8511333
AR903M-SAA	76 mm male WC sign	SAA	8511361
AR903U-SAA	76 mm unisex WC sign	SAA	87100544







- with pictogram76 mm diameter

Product ref.	Article description	Finish	Article no.
AR903D-PSS	76 mm disabled WC sign	PSS	8511298
AR903D-SSS	76 mm disabled WC sign	SSS	8511312
AR903F-PSS	76 mm female WC sign	PSS	8511326
AR903F-SSS	76 mm female WC sign	SSS	8511340
AR903M-PSS	76 mm male WC sign	PSS	8511354
AR903M-SSS	76 mm male WC sign	SSS	8511368
AR903U-PSS	76 mm unisex WC sign	PSS	87100986
AR903U-SSS	76 mm unisex WC sign	SSS	87100985
AR911-SSS	76 mm shower sign	SSS	87105704
AR913-SSS	76 mm baby change sign	SSS	87105708







#### AR607D - Disabled WC

ARRONE nylon information sign:

- with pictogram100 mm x 150 mm

Product ref.	Article description	Finish	Article no.
AR607D-Y	100 mm x 150 mm disabled sign	F1004	8508001
AR607D-R	100 mm x 150 mm disabled sign	F3003	8507980
AR607D-CL	100 mm x 150 mm disabled sign	F3005	8507931
AR607D-CO	100 mm x 150 mm disabled sign	F5002	8507938
AR607D-MB	100 mm x 150 mm disabled sign	F5003	8507973
AR607D-V	100 mm x 150 mm disabled sign	F6016	50001784
AR607D-AG	100 mm x 150 mm disabled sign	F7016	87132305
AR607D-DG	100 mm x 150 mm disabled sign	F7506	8507945
AR607D-DW	100 mm x 150 mm disabled sign	F9016	8507952
AR607D-E	100 mm x 150 mm disabled sign	F9017	8507959
AR607F-Y	100 mm x 150 mm female sign	F1004	8508078
AR607F-R	100 mm x 150 mm female sign	F3003	8508057
AR607F-CL	100 mm x 150 mm female sign	F3005	8508008
AR607F-CO	100 mm x 150 mm female sign	F5002	8508015
AR607F-MB	100 mm x 150 mm female sign	F5003	8508050
AR607F-V	100 mm x 150 mm female sign	F6016	8508071
AR607F-AG	100 mm x 150 mm female sign	F7016	87132312
AR607F-DG	100 mm x 150 mm female sign	F7506	8508022
AR607F-DW	100 mm x 150 mm female sign	F9016	8508029
AR607F-E	100 mm x 150 mm female sign	F9017	8508036
AR607M-Y	100 mm x 150 mm male sign	F1004	8508155
AR607M-R	100 mm x 150 mm male sign	F3003	8508134
AR607M-CL	100 mm x 150 mm male sign	F3005	8508085
AR607M-CO	100 mm x 150 mm male sign	F5002	8508092
AR607M-MB	100 mm x 150 mm male sign	F5003	8508127
AR607M-V	100 mm x 150 mm male sign	F6016	8508148
AR607M-AG	100 mm x 150 mm male sign	F7016	87132319
AR607M-DG	100 mm x 150 mm male sign	F7506	8508099
AR607M-DW	100 mm x 150 mm male sign	F9016	8508106
AR607M-E	100 mm x 150 mm male sign	F9017	8508113



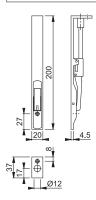


#### **AR132B**

ARRONE flush bolt:

- Material: AluminiumFunction: Lever action
- Fixing: Timber door screws

Product ref.	Article description	Finish	Article no.
AR132B-SAA	19 mm x 200 mm flush bolt	SAA	8500616

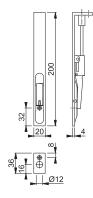


#### **AR326B**

ARRONE flush bolt:

- Material: Stainless steelFunction: Lever action
- Fixing: Timber door screws

Product ref.	Article description	Finish	Article no.
AR326B-S-SSS	20 mm x 200 mm flush bolt	SSS	8569237
AR326B-S-PSS	20 mm x 200 mm flush bolt	PSS	8569244



#### AR326B

ARRONE flush bolt:

- Material: Stainless steelFunction: Lever action
- Fixing: Timber door screws

Product ref.	Article description	Finish	Article no.
AR326B-R-SSS	20 mm x 200 mm flush bolt	SSS	87134462





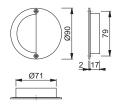


#### **AR323A**

ARRONE flush pull:

• Circular flush pull

Product ref.	Article description	Finish	Article no.
AR323A-SSS	90 mm circular flush pull	SSS	87104398



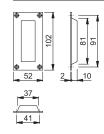


#### **AR323B**

ARRONE flush pull:

• 45 mm x 102 mm rectangular flush pull

Product ref.	Article description	Finish	Article no.
AR323B-SSS	52 mm x 102 mm flush pull	SSS	87104400





#### AR140 - "0"

ARRONE numerals:

- 50 mm numeral 0 to 9
- Face fixed

Product ref.	Article description	Finish	Article no.
AR140/0-SAA	50 mm numeral "0"	SAA	8500721
AR140/1-SAA	50 mm numeral "1"	SAA	8500728
AR140/2-SAA	50 mm numeral "2"	SAA	8500735
AR140/3-SAA	50 mm numeral "3"	SAA	8500742
AR140/4-SAA	50 mm numeral "4"	SAA	8500749
AR140/5-SAA	50 mm numeral "5"	SAA	8500756
AR140/6-SAA	50 mm numeral "6"	SAA	8500763
AR140/7-SAA	50 mm numeral "7"	SAA	8500770
AR140/8-SAA	50 mm numeral "8"	SAA	8500777
AR140/9-SAA	50 mm numeral "9"	SAA	8500784







## AR740 - "0"

ARRONE numerals and letters
• All finishes salt spray tested to 480 hours (BS EN 1670 Class 5)

Product ref.	Article description	Finish	Article no.
AR740-0-WHT	Numeral "0"	WH	87143519
AR740-0-BLK	Numeral "0"	BL	87143526
AR740-0-PBR	Numeral "0"	PB	87143533
AR740-0-PCH	Numeral "0"	PC	87143540
AR740-1-WHT	Numeral "1"	WH	87143547
AR740-1-BLK	Numeral "1"	BL	87143554
AR740-1-PBR	Numeral "1"	PB	87143561
AR740-1-PCH	Numeral "1"	PC	87143568
AR740-2-WHT	Numeral "2"	WH	87143575
AR740-2-BLK	Numeral "2"	BL	87143582
AR740-2-PBR	Numeral "2"	PB	87143589
AR740-2-PCH	Numeral "2"	PC	87143596
AR740-3-WHT	Numeral "3"	WH	87143603
AR740-3-BLK	Numeral "3"	BL	87143610
AR740-3-PBR	Numeral "3"	PB	87143617
AR740-3-PCH	Numeral "3"	PC	87143624
AR740-4-WHT	Numeral "4"	WH	87143631
AR740-4-BLK	Numeral "4"	BL	87143638
AR740-4-PBR	Numeral "4"	PB	87143645
AR740-4-PCH	Numeral "4"	PC	87143652
AR740-5-WHT	Numeral "5"	WH	87143659
AR740-5-BLK	Numeral "5"	BL	87143666
AR740-5-PBR	Numeral "5"	PB	87143673
AR740-5-PCH	Numeral "5"	PC	87143680
AR740-6-WHT	Numeral "6" & "9"	WH	87143687
AR740-6-BLK	Numeral "6" & "9"	BL	87143694
AR740-6-PBR	Numeral "6" & "9"	PB	87143701
AR740-6-PCH	Numeral "6" & "9"	PC	87143708
AR740-7-WHT	Numeral "7"	WH	87143715
AR740-7-BLK	Numeral "7"	BL	87143722
AR740-7-PBR	Numeral "7"	PB	87143729
AR740-7-PCH	Numeral "7"	PC	87143736
AR740-8-WHT	Numeral "8"	WH	87143743
AR740-8-BLK	Numeral "8"	BL	87143750
AR740-8-PBR	Numeral "8"	PB	87143757
AR740-8-PCH	Numeral "8"	PC	87143764



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## AR740 - "a"

ARRONE numerals and letters

• All finishes salt spray tested to 480 hours (BS EN 1670 Class 5)

Product ref.	Article description	Finish	Article no.
AR740-a-WHT	Letter "a"	WH	50000032
AR740-a-BLK	Letter "a"	BL	50000044
AR740-a-PBR	Letter "a"	PB	50000056
AR740-a-PCH	Letter "a"	PC	50000068
AR740-b-WHT	Letter "b"	WH	50000075
AR740-b-BLK	Letter "b"	BL	50000081
AR740-b-PBR	Letter "b"	PB	50000093
AR740-b-PCH	Letter "b"	PC	50000105
AR740-c-WHT	Letter "c"	WH	50000111
AR740-c-BLK	Letter "c"	BL	50000123
AR740-c-PBR	Letter "c"	PB	50000135
AR740-c-PCH	Letter "c"	PC	50000147
AR740-d-WHT	Letter "d"	WH	50000159
AR740-d-BLK	Letter "d"	BL	50000160
AR740-d-PBR	Letter "d"	PB	50000172
AR740-d-PCH	Letter "d"	PC	50000184









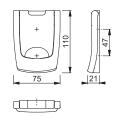


#### **AR724**

ARRONE door knocker:

- Designer knocker
- 75 mm x 110 mm
- All finishes salt spray tested to 480 hours (BS EN 1670 Class 5)
- Guarantee 10 years on surface finish and 10 years on mechanical operation

Product ref.	Article description	Finish	Article no.
AR724-WHT	Designer door knocker	WH	87143463
AR724-BLK	Designer door knocker	BL	87143470
AR724-PBR	Designer door knocker	PB	87143477
AR724-PCH	Designer door knocker	PC	87143484

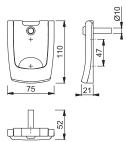






- Designer knocker with integrated door viewer
- 75 mm x 110 mm
- All finishes salt spray tested to 480 hours (BS EN 1670 Class 5)
- Guarantee 10 years on surface finish and 10 years on mechanical operation

Article description	Finish	Article no.
Designer door knocker with door viewer	WH	87143491
Designer door knocker with door viewer	BL	87143498
Designer door knocker with door viewer	PB	87143505
Designer door knocker with door viewer	PC	87143512
	Designer door knocker with door viewer Designer door knocker with door viewer Designer door knocker with door viewer	Designer door knocker with door viewer WH  Designer door knocker with door viewer BL  Designer door knocker with door viewer PB





# Door Knocker

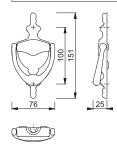


#### **AR726K**

ARRONE door knocker:

- Traditional urn type knocker
- 75 mm x 150 mm
- All finishes salt spray tested to 480 hours (BS EN 1670 Class 5)
- Guarantee 10 years on surface finish and 10 years on mechanical operation

Product ref.	Article description	Finish	Article no.
AR726-WHT	Traditional door knocker	WH	87143407
AR726-BLK	Traditional door knocker	BL	87143414
AR726-PBR	Traditional door knocker	PB	87143421
AR726-PCH	Traditional door knocker	PC	87143428



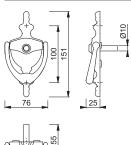
#### **AR727**





- Traditional urn type knocker with integrated door viewer
- 75 mm x 150 mm
- All finishes salt spray tested to 480 hours (BS EN 1670 Class 5)
- Guarantee 10 years on surface finish and 10 years on mechanical operation

Product ref.	Article description	Finish	Article no.
AR727-WHT	Traditional door knocker with door viewer	WH	87143435
AR727-BLK	Traditional door knocker with door viewer	BL	87143442
AR727-PBR	Traditional door knocker with door viewer	PB	87143449
AR727-PCH	Traditional door knocker with door viewer	PC	87143456









#### **AR539**

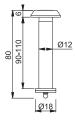
ARRONE door viewer:

- Material: Brass
- Fixing: MorticedViewing angle: 176° or 200°
- Testing: Included in a successful fire test to **BS EN 1634** Part 1. Assessed for use on 30 and 60 minutes timber fire doors.

Product ref.	Article description	Finish	Article no.
AR539B-PB	200° Door Viewer, 70-90 mm DT	PB	50003562
AR539D-PB	176° Door Viewer, 37-64 mm DT	PB	50010955
AR539D-PC	176° Door Viewer, 37-64 mm DT	PC	50010967
AR539E-PB	200° Door Viewer, 52-88 mm DT	PB	50011029
AR539E-PC	200° Door Viewer, 52-88 mm DT	PC	50011030
AR539F-PC	200° Door Viewer, 90-110 mm DT	PC	50011905
AR539F-SC	200° Door Viewer, 90-110 mm DT	SC	50011911
AR539F-PB	200° Door Viewer, 90-110 mm DT	PB	50011923
AR539G-PC	200° Door Viewer, 90-110 mm DT	PC	50015084
AR539G-SC	200° Door Viewer, 90-110 mm DT	SC	50015096
AR539G-PB	200° Door Viewer, 90-110 mm DT	PB	50015102

AR539D-FR-PB	176° Fire Rated Door Viewer, 37-64 mm DT	PB	50010979
AR539D-FR-PC	176° Fire Rated Door Viewer, 37-64 mm DT	PC	50010980
AR539E-FR-PB	200° Fire Rated Door Viewer, 52-88 mm DT	PB	50011005
AR539E-FR-PC	200° Fire Rated Door Viewer, 52-88 mm DT	PC	50011017

DT - Door Thickness





# Letter Plates

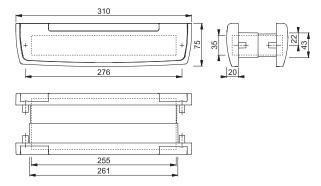


#### **AR708A**

ARRONE letter plate:

- Material: Zinc
- Fixing type: Bolt through fixing
- Testing: PAS24: 2012 Clause 4.3
- Weather tested to **BS 6375-1:2009**
- Conforms to requirements of **BS EN 13724:2002** (flap test cycle 50,000 cycles)
- Corrosion tested in accordance with **BS EN 1670** grade 5 (480 hours)

Product ref.	Article description	Finish	Article no.
AR708A-AG	76 mm x 310 mm letter plate	AG	50013956
AR708A-WHT	76 mm x 310 mm letter plate	WH	87143379
AR708A-BLK	76 mm x 310 mm letter plate	BL	87143386
AR708A-PBR	76 mm x 310 mm letter plate	PB	87143393
AR708A-PCH	76 mm x 310 mm letter plate	PC	87143400

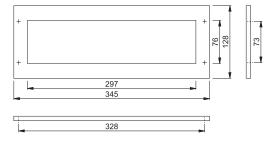






- ARRONE letter plate:
- 128 mm x 345 mm sprung letter plate
- 76 mm x 297 mm aperture

	· ·		
Product ref.	Article description	Finish	Article no.
AR208B-SAA	128 mm x 345 mm sprung letter plate 76 mm x 297 mm aperture	SAA	8504361
AR208D-SAA	75 mm x 300 mm sprung letter plate 50 mm x 273 mm aperture	SAA	50002533
AR208E-SAA	75 mm x 250 mm sprung letter plate 50 mm x 220 mm aperture	SAA	50002545





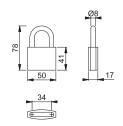


## AR85-30/40/50

ARRONE 85 series padlock:

- Body material: BrassShackle material: Hardened steel
- Function: Keyed to differ

Product ref.	Article description	Finish	Article no.
AR85/30-B-KD	Brass Padlock, 30 mm, Keyed to Differ	Self colour	50018195
AR85/40-B-KD	Brass Padlock, 40 mm, Keyed to Differ	Self colour	50018206
AR85/50-B-KD	Brass Padlock, 50 mm, Keyed to Differ	Self colour	50018231
AR85/30-B-KA/302	Brass Padlock, 30 mm, Keyed Alike Key Number 302	Self colour	50018267
AR85/40-B-KA/402	Brass Padlock, 40 mm, Keyed Alike Key Number 402	Self colour	50018218
AR85/40-B-KA/403	Brass Padlock, 40 mm, Keyed Alike Key Number 403	Self colour	50018225
AR85/50-B-KA/502	Brass Padlock, 50 mm, Keyed Alike Key Number 502	Self colour	50018243
AR85/50-B-KA/503	Brass Padlock, 50 mm, Keyed Alike Key Number 503	Self colour	50018255





#### AR90/54

ARRONE Fingerprint Padlock:

- Body material: Zinc
- Shackle material: Hardened steel
- Function: Fingerprint operated
- Operating voltage: 5VDC/1A
- Battery: 3.7V/400 mAh lithium, rechargeable with Standard 5pin USB port
- IP rating: IP65
- Padlock dimensions: height 90 mm; width 54 mm; depth 25 mm

Product ref.	Article description	Finish	Article no.
AR90/54	Fingerprint Padlock	black	50015771







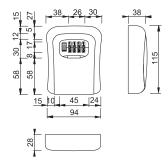


#### AR91/115

ARRONE Keysafe:

- Material: SteelFinish: Black
- Locking Type: 4 Digit combination
- Fixing type: Wall mounted screws included

Product ref.	Article description		Article no.
AR91/115	4 Digit Combination Key Safe	black	50020195



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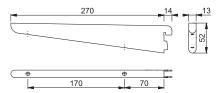
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## **ARRONE Antimicrobial Shelving Brackets**

ARRONE antimicrobial bracket:

- Function: Bracket
- Testing: ISO 22196:2007 for coated metal surfaces

Product ref.	Article description	Finish	Article no.
AR-B120-WH	120 mm bracket	WH	87132053
AR-B170-WH	170 mm bracket	WH	87132060
AR-B220-WH	220 mm bracket	WH	87132067
AR-B270-WH	270 mm bracket	WH	87132074
AR-B320-WH	320 mm bracket	WH	87132081
AR-B370-WH	370 mm bracket	WH	87132088
AR-B470-WH	470 mm bracket	WH	87132095
AR-B610-WH	610 mm bracket	WH	87132102

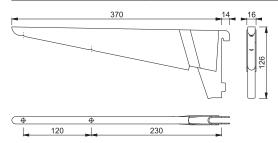


## **ARRONE Antimicrobial Shelving Reinforced Brackets**

ARRONE antimicrobial bracket:

- Function: Bracket
- Testing: **ISO 22196:2007** for coated metal surfaces

Product ref.	Article description	Finish	Article no.
AR-BR370-WH	370-WH 370 mm reinforced bracket		87132109
AR-BR470-WH	470 mm reinforced bracket	WH	87132116
AR-BR610-WH	610 mm reinforced bracket	WH	87132123





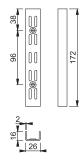


## **ARRONE Antimicrobial Uprights**

ARRONE antimicrobial bracket:

- Function: Bracket
- Testing: ISO 22196:2007 for coated metal surfaces

Product ref.	Article description	Finish	Article no.
AR-U170-WH	170 mm upright	WH	87132137
AR-U430-WH	430 mm upright	WH	87132144
AR-U710-WH	710 mm upright	WH	87132151
AR-U1000-WH	1000 mm upright	WH	87132158
AR-U1220-WH	1220 mm upright	WH	87132165
AR-U1600-WH	1600 mm upright	WH	87132172
AR-U1980-WH	1980 mm upright	WH	87132179
AR-U2400-WH	2400 mm upright	WH	87132186



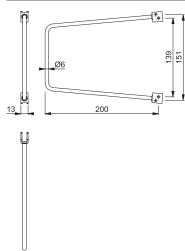
#### **ARRONE Antimicrobial Flexible Bookends**



ARRONE antimicrobial flexible bookend:

- Function: Bookend
- Testing: ISO 22196:2007 for coated metal surfaces

Product ref.	Article description	Finish	Article no.
AR-FB-150-WH	150 mm x 120 mm flexible bookend	WH	87134112
AR-FB-200-WH	200 mm x 120 mm flexible bookend	WH	87132130
AR-FB-250-WH	250 mm x 120 mm flexible bookend	WH	87134119



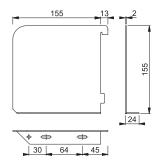


ARRONE antimicrobial bookend:

• Function: Bookend

• Testing: ISO 22196:2007 for coated metal surfaces

Product ref.	Article description	Finish	Article no.
AR-BE150-WH	150 mm x 150 mm shelf bookend	WH	87134126
AR-BE200-WH	200 mm x 150 mm shelf bookend	WH	87134133
AR-BE250-WH	250 mm x 150 mm shelf bookend	WH	87134140
AR-BE300-WH	300 mm x 150 mm shelf bookend	WH	87134147

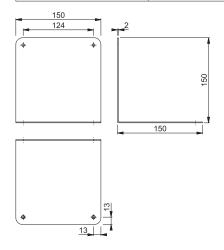


## **ARRONE Antimicrobial Free Standing Bookends**

ARRONE antimicrobial bookend:

• Function: Bookend

Product ref.	Article description	Finish	Article no.
AR-FSBE150-WH	150 mm free standing bookend	WH	87134210
AR-FSBE200-WH	200 mm free standing bookend	WH	87134217
AR-FSBE250-WH	250 mm free standing bookend	WH	87134224





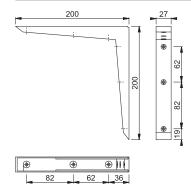




ARRONE antimicrobial bracket:

- Function: Mitred bracket
- Testing: ISO 22196:2007 for coated metal surfaces

Product ref.	Article description	Finish	Article no.
AR-MB200-WH	200 mm x 200 mm mitred shelf bracket	WH	87134182
AR-MB250-WH	250 mm x 250 mm mitred shelf bracket	WH	87134189
AR-MB300-WH	300 mm x 300 mm mitred shelf bracket	WH	87134196
AR-MB350-WH	350 mm x 350 mm mitred shelf bracket	WH	87134203

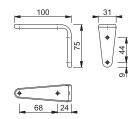


### **ARRONE Antimicrobial Reinforced London Bracket**

ARRONE antimicrobial bracket:

- Function: Mitred bracket
- Testing: ISO 22196:2007 for coated metal surfaces

Product ref.	Article description	Finish	Article no.
AR-BR100-WH	100 mm x 75 mm reinforced London bracket	WH	87134154
AR-BR150-WH	150 mm x 125 mm reinforced London bracket		87134161
AR-BR200-WH	200 mm x 150 mm reinforced London bracket	WH	87134168
AR-BR250-WH	250 mm x 200 mm reinforced London bracket	WH	87134175







# Overview appendix

- 1. Product informa
- 2. Misuse (inappro
- 3. Product perforn
- **4.** Product care
- **5.** Duty to inform a
- **6.** Application of re

# Product liability

page 342



#### Guarantee

page 344



# Conditions of use

page 348



General terms and conditions of sale

page 349





# Product liability of door and window hardware (eg door handle sets and window handles)

- 1. Product information and application according to instruction
- 2. Misuse (inappropriate use or use contrary to instruction)
- 3. Product performance
- 4. Product care
- 5. Duty to inform and instruct
- 6. HOPPE function guarantee for door and window hardware

As a result of a new product liability law, the manufacturer is to define products as to their performance (duty to instruct and inform). HOPPE is thereby providing the following information.

#### 1. Product information and application according to instruction

HOPPE hardware fittings are manually-operated appliances by means of which doors, French doors and windows in domestic and non-domestic buildings can be opened or closed and/or locked.

They are normally used in conjunction with supplementary hardware such as locks, cylinders or tilt/turn hardware.

Special provisions of law have to be observed in the case of fire doors and the direction of escape for example, in cases where a fixed fitting (knob, handle) is used.

It is imperative that only the parts supplied for fixing are used and also that fixing instructions are strictly adhered to. This applies to all means of fixing a) supplied by HOPPE

b) supplied by other manufacturers as integral parts of their hardware (eg. screws supplied by the manufacturer of tilt/turn hardware for windows).

Products which are installed in aggressive, corrosion-inducing areas are special fittings. They should only be used (applied) following consultation with HOPPE.

#### 2. Misuse (inappropriate use or use contrary to instruction)

Misuse of fittings for doors and windows, ie using the product contrary to instruction, may occur in particular when

- tools, such as pliers or tubular adaptors are used,
- additional loads (blocking loads or support loads) have an impact, for example when an object is placed under the handle to block the door,
- when force over and above normal manual use is applied to the handle, for example when attempting to force a tilt/turn fitting beyond its normal rest position or when children, for example, use door handles as something to hold on to
- foreign objects or objects contrary to instruction, such as spindles manufactured by other companies are used or when such products are used alongside HOPPE products,
- tampering has occurred which interferes with the function of the product, for example in attempting to break in or out with tools in the case of lockable window handles,
- sharp objects are used to damage the surface,
- foreign objects and/or objects contrary to instruction are introduced into the hardware or strike-plate so as to prevent normal use,
- tampering with the hardware or strike-plate has occurred resulting in damage to the construction or adversely affecting function or effectiveness.

#### 3. Product performance

The DIN 18255, DIN 18257 and DIN 18273 standards for door hardware and the RAL-GZ 607/9 standard for window hardware are definitive (in a pioneering sense).

The content of these standards applies in the same way to other fittings too.



In the case of window handles, the regulations of appropriate institutes, such as the Institute for Window Technology in Rosenheim apply in addition to those of RAL.

No other conditions may be added without prior approval by HOPPE.

The durability of a product is especially dependent on the frequency of

- use,
- type of use,
- location and care.

Replacement of the fitting shall occur only when, despite proper maintenance and care, it no longer functions or when the surface may cause injury

#### 4. Product care

It is essential that the fitting and fixing-means are fitted correctly!

All movable parts are to be correctly maintained at least once a year.

This is particularly so in the case of door handle – spindle connections as well as in locking cylinders for lockable window handles. It is essential that no resinous lubricants (graphite is appropriate) are used in the locking cylinders. Dependent on the amount of use, fittings should be treated by agents recommended by HOPPE.

Basically no strong acids or alkalis should be used. Contact with mortar and similar substances should also be avoided. Only cleaning agents which do not contain corrosion-inducing substances should be used.

#### 5. Duty to inform and instruc

The following information material is available to the trade, planners/architects, advisory institutions, installers, builders and users:

- catalogues and brochures,
- product descriptions,
- Purchasing Information,
- offer documentation,
- DIN standards: 18255, 18257, 18273 as well as related standards (published by Beuth GmbH, 10785 Berlin) along with instructions for fixing, use and care.

Where necessary HOPPE is also able to advise.

When choosing HOPPE fittings as well as for their fixing, use and care,

- architects, planners and advising institutions are expected to request all the necessary product information from HOPPE and to adhere to it;
- architectural hardware distributors are expected to observe the product information in the documentation and in particular request all the necessary mounting instructions and pass them on to the installers;
- installers are expected to observe all product information, especially HOPPE's instructions relating to use and care and to pass them on to the contractors and users.

#### 6. Application of related hardware

All possible variations within the individual fittings, as well as accessories, are expected to be used appropriately with regard to their particular qualities according to the requirements of product liability as listed above.

(as per 12/2007)



#### **HOPPE** operational guarantee

#### I. General information

In parallel and in addition to the legal rights of the enduser arising from the purchase of HOPPE door and window hardware, we grant endusers a manufacturer's guarantee on HOPPE door and window hardware in the scope described hereinafter.

For the purposes of this manufacturer's guarantee, "HOPPE products" are handle sets and window handles from the "HOPPE – Handle of excellence." brand.

A HOPPE handle set includes a door handle (also known as a lever) or pull handle or recessed pull for sliding doors, handle rose and/or escutcheon or backplate (where applicable incl. thumb-turn), square spindle and mounting parts, but not a mortise lock, keyed cylinder and key.

The term HOPPE window handles refers to window handles and French or patio door handles, such as handles for parallel slide/tilt doors and lift/slide doors. A HOPPE handle for windows, or French or patio doors consists of a handle and/or window handle rosette and/or base, in the case of lockable versions, including keyed cylinder and keys. Certain French or patio door handles also include recessed pulls for sliding doors and backplates with optional profile cylinder keyhole, but not profile cylinders and keys. The window handle, or French or patio door handle does not include the window gear and locking elements on the window itself.

For the purposes of this manufacturer's guarantee, "enduser" is any individual or legal entity who was the first to purchase the HOPPE product from HOPPE, a distributor or any other person or legal entity who installs at or sells the HOPPE product to third parties as part of their business operations. The HOPPE product must not have been purchased with the intention of installing it at third parties or reselling it as part of a business operation.

#### II. Guarantee scope

As a manufacturer, we guarantee endusers the flawless mechanical functional efficiency of HOPPE products. This operational guarantee applies to the following features:

- transmission of the rotary motion to the door lock or turn/tilt hardware of the window;
- connection between handle and door or window respectively;
- for window handles, the functions: lockable, automatic locking, Secu-Forte®, Secu-Select®, Secu-100®, Secu-200®, Secu-Duplex® or Secu-TBT® or Secu-stik®;
- for door handles, the functions: Sertos®, bathroom handle set or HCS® with locking function;
- for security hardware, security function, cylinder cover;
- spring cassette (if installed ex factory);
- the HOPPE Quick-Fit connection and the HOPPE Quick-FitPlus connection.

Our operational guarantee applies to all HOPPE products worldwide.

We grant the operational guarantee for a period of 10 years from date of purchase by the enduser.

All replaceable component parts, particularly screws, connecting spindles, snap rings and similar, as well as electronic components and software, are expressly excluded from this operational guarantee.



Moreover, the operational guarantee does not apply in the case of:

- Unintended or improper use;
- faulty installation;
- incorrect operation;
- non-adherence to installation and care instructions;
- any unauthorised modifications or repairs to the product;
- chemical or physical damage of the mechanism and/or the material surface due to improper use, e.g. damage caused by sharp-edged objects or unsuitable cleaning agents and aids;
- improperly adjusted doors and windows and/or their architectural hard-ware components (e.g. hinges, turn-and-tilt hardware, frames etc.);
- damage by force majeure or natural catastrophes.

#### III. Guarantee services

Our guarantee applies, in the event that a defect in the mechanical functionality occurs within the guarantee period, solely to either the repair of the product for the enduser free of charge, or to the replacement of the product free of charge with suitable or equivalent hardware, this decision being at our discretion.

Costs and expenses incurred by the enduser for the installation and removal of the HOPPE product or for the shipment of the product to HOPPE or the dealer are not covered by this guarantee.

#### IV. Guarantee process to be followed by the enduser

The enduser can claim their rights under this guarantee by written notice of defects within the guarantee period to the reseller from whom he purchased the product, or directly to us: HOPPE Holding AG, Via Friedrich Hoppe, 7537 Müstair, Switzerland.

The enduser shall also provide the faulty product as well as evidence that the defect in its mechanical functionality occurred within the guarantee period. This evidence can be provided in particular by presenting the end user's sales receipt. We therefore recommend keeping this in a safe place at least until the end of the guarantee period.

#### V. Legal rights

In the event of defects in the goods, the enduser has legal material defect rights against the seller from whom they purchased the product or the contractor who installed the product on their behalf. The enduser may exercise these rights free of charge. These rights are not limited by this guarantee. Depending on the circumstances, they may exceed the rights arising from this guarantee and be more advantageous to the enduser or may fall short of this guarantee. The guarantee does not limit other statutory rights of the enduser, such as rights under the Product Liability Act.

#### VI. Name and address of the guarantor

HOPPE Holding AG Via Friedrich Hoppe CH-7537 Müstair

(Issued 12/2022)

16



#### Resista® - The HOPPE surface quarantee

#### I. General information

Alongside and in addition to the legal rights that result for the enduser from the purchase of HOPPE products, we also provide a manufacturer's guarantee to endusers for the durability of the surface of handle sets and window handles of the "HOPPE – Handle of excellence." brand which have the special attribute "Resista®" (hereinafter referred to as "Resistaurface").

For the purposes of this manufacturer's guarantee, "HOPPE products" are handle sets and window handles from the "HOPPE – Handle of excellence." brand.".

A HOPPE handle set includes a door handle (also known as a lever) or pull handle or recessed pull for sliding doors and/or handle rose and/or escutcheon or backplate (where applicable incl. thumb-turn), but not a mortise lock, keyed cylinder and key.

The term HOPPE window handles refers to window handles, and French or patiodoor handles, such as handles for parallel slide/tilt doors and lift/slide doors. A HOPPE handle for windows, or French or patio doors, consists of a handle and/or window handle rosette and/or base, in the case of lockable versions, including keyed cylinder and keys. Certain French or patio door handles also include recessed pulls for sliding doors and backplates with optional profile cylinder keyhole, but not profile cylinders and keys. The window handle, or French or patio door handle does not include the window gear and locking elements on the window itself.

For the purposes of this manufacturer's guarantee, "enduser" is any individual or legal entity who was the first to purchase the HOPPE product from HOPPE, a distributor or any other person or legal entity who installs at or sells the HOPPE product to third parties as part of their business operations. The HOPPE product must not have been purchased with the intention of installing it at third parties or reselling it as part of a business operation.

#### II. Guarantee

As a manufacturer, we guarantee endusers the flawless durability of Resista® surfaces of properly used HOPPE handle sets and window handles. This surface guarantee includes all defects which can be proved to have been caused through fault in manufacturing or material, in particular, when the surface is tarnished or discoloured (appearance of spots) or the protective surface has become separated from its base material, and not through improper use.

Our surface guarantee applies to all HOPPE products with the Resista® surface. These products are marked with the special attribute "Resista®" on the packaging.

We grant the Resista® surface guarantee for a period of 10 years from date of purchase by the enduser.

This surface guarantee expressly excludes all parts that are not visible when assembled as well as replaceable individual parts, in particular screws, connecting spindles, etc., as well as electronic components. Moreover, no liability will be assumed for any damages caused by the following:

- unintended, unsuitable or improper use;
- incorrect or negligent treatment;
- disregard for fitting and care instructions;



- alterations or repairs to the product undertaken by the enduser themselves:
- chemical and physical agents used improperly such as to cause effects on the surface, for example by sharp-edged instruments or improper cleaning agents and aids;
- damage by force majeure or natural catastrophes.

#### III. Guarantee services

Our guarantee applies, in the event that a defect in the Resista® surface occurs within the guarantee period, exclusively to either the repair of the product for the enduser free of charge, or to the replacement of the product free of charge with a suitable or equivalent product, this decision being at our discretion.

Costs and expenses incurred by the enduser for the installation and removal of the HOPPE product or for the shipment of the product to HOPPE or the dealer are not covered by this guarantee.

#### IV. Guarantee process to be followed by the enduser

The enduser can assert their rights arising from this guarantee by submitting a description of the fault within the guarantee period to the dealer from whom the initial enduser purchased the product, or directly to us: HOPPE Holding AG, Via Friedrich Hoppe, 7537 Müstair, Switzerland.

The enduser must also submit the rejected product and provide evidence that the defect in the Resista® surface occurred within the guarantee period. This evidence can be provided in particular by presenting the end user's sales receipt. We therefore recommend keeping this in a safe place at least until the end of the guarantee period.

#### V. Legal rights

In the event of defects in the goods, the enduser has legal material defect rights against the seller from whom they purchased the product or the contractor who installed the product on their behalf. The enduser may exercise these rights free of charge; the rights are not limited by this guarantee. Depending on the circumstances, they may exceed the rights arising from this guarantee and be more advantageous to the enduser or may fall short of this guarantee. The guarantee does not limit other statutory rights of the enduser, such as rights under the Product Liability Act.

#### VI. Name and address of the guarantor

HOPPE Holding AG Via Friedrich Hoppe CH-7537 Müstair

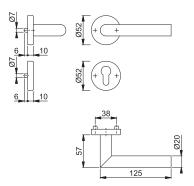
(Issued 12/2022)

## Conditions of use

#### **Examples**



File name: E1400-42H-42HKVS-PZ-F69



File name: E1400-42H-42HKVS-PZ

# Conditions for the use of HOPPE pictures and technical drawings

HOPPE Holding AG, CH-7537 Müstair, hereinafter referred to as HOPPE, in the interests of cooperation with its partners in the promotion of goods supplied by HOPPE, makes available the enclosed pictures and technical drawings without charge. Both illustrated products and pictures/technical drawings are protected by copyright to which HOPPE has unrestricted entitlement. This is equally valid for HOPPE's brand rights used in connection with the pictures and technical drawings.

HOPPE allows the use of its pictures/technical drawings in print media, e.g. in catalogues and similar sales documentation, for users' distribution to customers. HOPPE is, however, to be informed in advance of the use of such pictures/technical drawings in advertisements and on the internet.

The user is to inform the printers/service providers involved that the pictures/technical drawings are protected by copyright. The user shall not be entitled to alter the pictures/technical drawings as made available by HOPPE in any way whatsoever, e.g. in using pertinent picture-editing programmes, though he may take measures to alter the size of the image for printing purposes.

The user is to undertake all the necessary precautions to protect the pictures/ technical drawings made available by HOPPE from misuse by a third party and is to inform HOPPE without delay in the event of any such misuse being discovered.

Two copies of the printed matter showing use of the said pictures/technical drawings are to be sent to HOPPE. In using such pictures/technical drawings, the user automatically consents to the conditions of use. Swiss law shall apply. Place of jurisdiction to be CH-7000 Chur/GR, Switzerland.

Müstair, January 2006

#### File formats

You can get picture and drawing data from HOPPE in the following standard formats:

	Pict	ures	Tech	nnical draw	ings
Type of format	pixel *	pixel *	pixel *	vector **	
File format	jpg	tif	jpg	eps dwg	
Compression	10/standard	LZW	10/standard	-	-
Mode	RGB	CMYK	greyscale	-	-
Resolution	300 dpi	300 dpi	750 dpi	independent	independent

Other file formats available on request.

(as per 01/2013)

<sup>\*</sup> Pixel files can only be enlarged to 20-25 % of the original size.

<sup>\*\*</sup> Vector files can be enlarged as required without loss of quality.

## 16

# HOPPE (UK) LTD Terms and conditions of sale



#### 1. Interpretation

#### 1.1 Definitions.

- "Business Day" a day (other than a Saturday, Sunday or public holiday) when banks in London are open for business.
- "Conditions" the terms and conditions set out in this document
- "Contract" the contract between HOPPE and the Customer for the sale and purchase of the Goods in accordance with these Conditions.
- "Customer" the person or firm who purchases the Goods from HOPPE.
- "Force Majeure Event" an event or circumstance beyond a party's reasonable control.
- "Goods" the goods (or any part of them) set out in the Order.
- "HOPPE" means HOPPE (U.K.) Limited company number 2286568
- "Order" the Customer's order for the Goods.
- "Specification" The specification for the Goods that is agreed in writing by the Customer and HOPPE.

#### 2. Basis of contract

- **2.1** These Conditions apply to the Contract to the exclusion of any other terms that the Customer seeks to impose or incorporate (including conditions of purchase), or which are implied by trade, custom, practice or course of dealing.
- **2.2** The Order constitutes an offer by the Customer to purchase the Goods in accordance with these Conditions. The Customer is responsible for ensuring that the terms of the Order are complete and accurate. The Order shall only be deemed to be accepted when HOPPE issues a written acceptance of the Order, at which point the Contract shall come into existence.
- **2.3** Any samples, drawings or advertising produced by HOPPE and any illustrations contained in HOPPE's catalogues or brochures are produced for the sole purpose of giving an approximate idea of the Goods referred to in them. They shall not form part of the Contract nor have any contractual force.
- **2.4** A quotation for the Goods given by HOPPE shall not constitute an offer. A quotation shall only be valid for a period of 20 Business Days from its date of issue
- **2.5** Any typographical, clerical or other error or omission in any sales or other document or information issued by HOPPE shall be subject to correction without any liability on the part of HOPPE.
- **2.6** No Order which has been accepted by the HOPPE may be cancelled by the Customer except with the agreement in writing of HOPPE and on terms that the Customer shall indemnify HOPPE in full against all loss (including loss of profit), costs (including the cost of all labour and materials used) damages, charges and expenses incurred by HOPPE as a result of cancellation.
- **2.7** Orders less than £50 shall be subject to a small order charge of £12.50 and orders more than £50 but less than £125 shall be subject to £8 small order charge. HOPPE may vary these amounts at any time by giving notice to the Buyer at any time before delivery. HOPPE may stipulate a minimum order or invoice value by giving notice to the Buyer at any time before delivery.

#### 3. Goods

- **3.1** The Goods are as described in HOPPE's catalogue or in the Specification, as the case may be. HOPPE reserves the right to amend the Specification if required by any applicable statutory or regulatory requirements.
- **3.2** To the extent that the Goods are to be manufactured in accordance with a Specification supplied by the Customer, then the Customer shall indemnify HOPPE against all liabilities, costs, expenses, damages and losses suffered or incurred by HOPPE in connection with any claim made against HOPPE

# HOPPE (UK) LTD Terms and conditions of sale

for actual or alleged infringement of a third party's intellectual property rights arising out of or in connection with HOPPE's use of the Specification.

#### 4. Delivery

- **4.1** The Customer shall take delivery of the Goods: (a) in the case of carriage arranged by HOPPE, when Goods are delivered to the location point specified in writing by the Customer and HOPPE; or (b) in the case of carriage arranged by the Customer when the Goods are made available for loading to the Customer's carrier.
- **4.2** Any dates quoted for delivery are approximate only, and the time of delivery is not of the essence. HOPPE shall not be liable for any delay in delivery of the Goods that is caused by a Force Majeure Event or the Customer's failure to provide HOPPE with adequate delivery instructions or any other instructions that are relevant to the supply of the Goods.
- **4.3** If the Customer fails to take delivery of the Goods then, except where such failure or delay is caused by a Force Majeure Event or HOPPE's failure to comply with its obligations under the Contract, HOPPE may without prejudice to its other rights and remedies, store the Goods until delivery takes place, and charge the Customer for all related costs and expenses (including insurance) and ultimately if after ten Business Days after the day on which HOPPE notified the Customer that the Goods were ready for delivery the Customer has not taken delivery of them, HOPPE may resell or otherwise dispose of part or all of the Goods.
- **4.4** If HOPPE delivers up to and including 5% more or less than the quantity of Goods ordered the Customer may not reject them, but on receipt of notice from the Customer that the wrong quantity of Goods was delivered, a pro rata adjustment shall be made to the Order invoice.
- **4.5** Advising of shortages: The Customer acknowledges that the number of cartons/bundles etc is shown on the carrier's delivery notes and at the very least the Customers must check the delivered quantity as against the expected quantity. Failure to do so will result in the rejection of the Customer's claim for shortages.
- **4.6** The Customer undertakes to notify HOPPE of such shortages on the day of receipt or the next working day. In the case of shortages delivered within a carton/bundle, incorrect goods received etc., the Customer should please continue to contact our sales staff in the normal manner.
- **4.7** HOPPE may deliver the Goods by instalments, which shall be invoiced and paid for separately. Any delay in delivery or defect in an instalment shall not entitle the Customer to cancel any other instalment.
- **4.8** Damaged Goods: Where Goods arrive damaged in transit, they must be signed for as such by the Customer. Under normal circumstances it is obvious if the Goods have or might be damaged as the packaging will also have been damaged in transit. To enable HOPPE to claim from its carriers insurance, HOPPE require the carrier's delivery notes to be signed accordingly by the Customer. Failure to do so will result in the rejection of the customer's claim for damaged Goods.
- **4.9** The Customer also undertakes to inform HOPPE also of the delivery of damaged Goods on the day of receipt or the next working day.
- **4.10** Where Goods are exported from the United Kingdom then the Incoterm (Incoterm 2010 edition) specified by HOPPE shall apply and in the event of any conflict between the terms of these Conditions and the terms of the incoterm as specified by HOPPE, then the terms of the incoterm shall prevail to the extent of the conflict only.

#### 5. Quality

**5.1** HOPPE warrants that on delivery, and for a period of 12 months from the date of delivery ("warranty period"), the Goods shall (a) conform in all material respects with their description and any applicable Specification; and (b) be



free from material defects in design, material and workmanship.

- **5.2** Subject to clause 5.3, if: (a) the Customer gives notice in writing to HOPPE during the warranty period within a reasonable time of discovery that some or all of the Goods do not comply with the warranty set out in clause 5.1; (b) HOPPE is given a reasonable opportunity of examining such Goods; and (c) the Customer (if asked to do so by HOPPE) returns such Goods to HOPPE's place of business at the Customer's cost, HOPPE shall, at its option, repair or replace the defective Goods, or refund the price of the defective Goods in full.
- **5.3** HOPPE shall not be liable for the Goods' failure to comply with the warranty set out in clause 5.1 in any of the following events: (a) the Customer makes any further use of such Goods after giving notice in accordance with clause 5.2; (b) the defect arises because the Customer failed to follow HOPPE's oral or written instructions as to the storage, commissioning, installation, use and maintenance of the Goods or (if there are none) good trade practice regarding the same; (c) the defect arises as a result of HOPPE following any drawing, design or Specification supplied by the Customer; (d) the Customer alters or repairs such Goods without the written consent of HOPPE; (e) the defect arises as a result of fair wear and tear, wilful damage, negligence, or abnormal storage or working conditions; or (g) the Goods differ from their description or the Specification as a result of changes made to ensure they comply with applicable statutory or regulatory requirements.
- **5.4** Except as provided in this clause 5, HOPPE shall have no liability to the Customer in respect of the Goods' failure to comply with the warranty set out in clause 5.1. The terms implied by sections 13 to 15 of the Sale of Goods Act 1979 are, to the fullest extent permitted by law, excluded from the Contract.
- **5.5** These Conditions shall apply to any repaired or replacement Goods supplied by HOPPE.

#### 6. Title and risk

- **6.1** The risk in the Goods shall pass to the Customer on completion of delivery. Title to the Goods shall not pass to the Customer until the earlier of: **6.1.1** HOPPE receives payment in full (in cleared funds) for the Goods and for any other goods that HOPPE has supplied or contracted supply to the Customer, and
- **6.1.2** the Customer resells the Goods, in which case title to the Goods shall pass to the Customer at the time specified in clause 6.3.
- **6.2** Until title to the Goods has passed to the Customer, the Customer shall: (a) store the Goods separately from all other goods held by the Customer so that they remain readily identifiable as HOPPE's property; (b) not remove, deface or obscure any identifying mark or packaging on or relating to the Goods; (c) maintain the Goods in satisfactory condition and keep them insured against all risks for their full price from the date of delivery; (d) notify HOPPE immediately if it becomes subject to any of the events listed in clause 8.1; and (e) give HOPPE such information relating to the Goods as HOPPE may require from time to time.
- **6.3** Subject to clause 6.4, the Customer may resell or use the Goods in the ordinary course of its business (but not otherwise) before HOPPE receives payment for the Goods. However, if the Customer resells the Goods before that time: (a) it does so as principal and not as HOPPE's agent; and (b) title to the Goods shall pass from HOPPE to the Customer immediately before the time at which resale by the Customer occurs.
- **6.4** If before title to the Goods passes to the Customer the Customer becomes subject to any of the events listed in clause 8.1, then, without limiting any other right or remedy HOPPE may have:
- **6.4.1** the Customer's right to resell the Goods or use them in the ordinary course of its business ceases immediately; and
- **6.4.2** HOPPE may at any time: (a) require the Customer to deliver up all Goods in its possession that have not been resold, or irrevocably incorporated into

# HOPPE (UK) LTD Terms and conditions of sale

another product; and (b) if the Customer fails to do so promptly, enter any premises of the Customer or of any third party where the Goods are stored in order to recover them.

#### 7. Price and payment

- **7.1** The price of the Goods shall be the price set out in the HOPPE's acknowledgment of order, or, if no such price is quoted, the price set out in HOPPE's published price list in force as at the date of delivery or as otherwise agreed by the parties in writing.
- **7.2** HOPPE may, by giving notice to the Customer at any time prior to delivery, increase the price of the Goods to reflect any increase in the cost of the Goods that is due to: (a) any factor beyond HOPPE's control (including foreign exchange fluctuations, increases in taxes and duties, and increases in labour, materials and other manufacturing costs); (b) any request by the Customer to change the delivery date(s), quantities or types of Goods ordered, or the Specification; or (c) any delay caused by any instructions of the Customer or failure of the Customer to give HOPPE adequate or accurate information or instructions.
- **7.3** The price of the Goods:
- **7.3.1** excludes amounts in respect of value added tax (VAT), which the Customer shall additionally be liable to pay to HOPPE at the prevailing rate; and
- **7.3.2** (unless otherwise agreed in wring) excludes the costs and charges of packaging, insurance and transport of the Goods, which shall be invoiced to the Customer.
- **7.4** HOPPE may invoice the Customer for the Goods on or at any time after the completion of delivery (or completion would have taken place but for the Customer breach or failure to take delivery).
- **7.5** The Customer shall pay the invoice in full and in cleared funds by the end of the month following the month the invoice was dated. Payment shall be made to the bank account nominated in writing by HOPPE. HOPPE shall be entitled to recover the price notwithstanding that delivery may not have taken place and the property in the Goods has not passed to the Buyer. The time of payment of the price shall be of the essence of the Contract.
- **7.6** If the Customer fails to make any payment due to HOPPE under the Contract by the due date for payment, then the Customer shall pay interest on the overdue amount at the rate of 4% per annum above Barclays bank's base rate from time to time. Such interest shall accrue on a daily basis from the due date until actual payment of the overdue amount, whether before or after judgment. The Customer shall pay the interest together with the overdue amount.
- **7.7** The Customer shall pay all amounts due under the Contract in full without any set-off, counterclaim, deduction or withholding (except for any deduction or withholding required by law). HOPPE may at any time, without limiting any other rights or remedies it may have, set off any amount owing to it by the Customer against any amount payable by HOPPE to the Customer.

#### 8. Termination

- **8.1** Without limiting its other rights or remedies, HOPPE may terminate this Contract with immediate effect by giving written notice to the Customer if:
- **8.1.1** the Customer commits a material breach of any term of the Contract and (if such a breach is remediable) fails to remedy that breach within 10 days of that party being notified in writing to do so;
- **8.1.2** the Customer takes any step or action in connection with its entering administration, provisional liquidation or any composition or arrangement with its creditors (other than in relation to a solvent restructuring), being wound up (whether voluntarily or by order of the court, unless for the purpose of a solvent restructuring), having a receiver appointed to any of



its assets or ceasing to carry on business or, if the step or action is taken in another jurisdiction, in connection with any analogous procedure in the relevant jurisdiction; or

- **8.1.3** the Customer suspends, threatens to suspend, ceases or threatens to cease to carry on all or a substantial part of its business; or
- **8.2** Without limiting its other rights or remedies, HOPPE may suspend provision of the Goods under the Contract or any other contract between the Customer and HOPPE if the Customer becomes subject to any of the events listed in clause 8.1 or HOPPE reasonably believes that the Customer is about to become subject to any of them, or if the Customer fails to pay any amount due under this Contract on the due date for payment.
- **8.3** On termination of the Contract for any reason the Customer shall immediately pay to HOPPE all of HOPPE's outstanding unpaid invoices and interest.
- **8.4** Termination of the Contract shall not affect any of the parties' rights and remedies that have accrued as at termination, including the right to claim damages in respect of any breach of this Contract that existed at or before the date of termination.
- **8.5** Any provision of the Contract that expressly or by implication is intended to come into or continue in force on or after termination shall remain in full force and effect.

#### 9. Limitation of liability

- **9.1** Nothing in these Conditions shall limit or exclude HOPPE's liability for: (a) death or personal injury caused by its negligence, (b) fraud or fraudulent misrepresentation; or for any other matter in respect of which it would be unlawful for HOPPE to exclude or restrict liability.
- **9.2** Subject to clause 9.1, HOPPE shall under no circumstances whatsoever be liable to the Customer, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, for:
- **9.2.1** any loss of profit, contracts or goodwill (whether direct or indirect loss); or
- **9.2.2** any indirect or consequential loss arising under or in connection with the Contract.
- **9.3** Subject to clause 9.1 and 9.2, HOPPE's total liability to the Customer in respect of all other losses arising under or in connection with the Contract, whether in contract, tort (including negligence), breach of statutory duty, or otherwise, shall in no circumstances exceed 100% of the price of the Goods under the applicable Contract.
- **9.4** Force majeure. Neither party shall be in breach of this Contract nor liable for delay in performing, or failure to perform, any of its obligations under this Contract if such delay or failure result from a Force Majeure Event. If the period of delay or non-performance continues for 4 weeks, the party not affected may terminate the applicable Contracts by giving 2 weeks written notice to the affected party.

#### 10. General

- **10.1** Assignment and other dealings. HOPPE may at any time assign, transfer, mortgage, charge, subcontract or deal in any other manner with all or any of its rights or obligations under the Contract. The Customer may not assign, transfer, mortgage, charge, subcontract, declare a trust over or deal in any other manner with any or all of its rights or obligations under the Contract without the prior written consent of HOPPE.
- **10.2** Entire agreement. This Contract constitutes the entire agreement between the parties and supersedes and extinguishes all previous agreements, promises, and understandings between them, whether written or oral, relating to its subject matter.
- 10.3 Variation. No variation of this Contract shall be effective unless it is in

# HOPPE (UK) LTD Terms and conditions of sale

writing and signed by the parties (or their authorised representatives).

- **10.4** Waiver. A waiver of any right or remedy is only effective if given in writing and shall not be deemed a waiver of any subsequent breach or default.
- **10.5** Severance. If any provision or part-provision of the Contract is or becomes invalid, illegal or unenforceable, it shall be deemed modified to the minimum extent necessary to make it valid, legal and enforceable. If such modification is not possible, the relevant provision or part-provision shall be deemed deleted. Any modification to or deletion of a provision or part-provision under this clause shall not affect the validity and enforceability of the rest of the Contract.
- **10.6** Notices. Any formal notice or other communication given to a party under or in connection with the Contract shall be in writing, addressed to that party at its registered office (if it is a company) or its principal place of business (in any other case) or such other address as that party may have specified to the other party in writing in accordance with this clause, and shall be delivered personally, sent by pre-paid first class post or other next working day delivery service or commercial courier. A notice or other communication shall be deemed to have been received: if delivered personally, when left at the address referred to in clause 10.6; if sent by pre-paid first class post or other next working day delivery service, at 9.00 am on the second Business Day after posting; if delivered by commercial courier, on the date and at the time that the courier's delivery receipt is signed,
- **10.7** Third party rights. No one other than a party to this Contract [and their permitted assignees] shall have any right to enforce any of its terms.
- **10.8** Governing law. Any dispute or claim arising out of or in connection with a Contract, or its or formation, shall be governed by and construed in accordance with the law of England. A reference to any law, statute or subordinate legislation in these Conditions is also a reference to the same as amended or re-enacted.
- **10.9** Jurisdiction. The courts of England shall have exclusive jurisdiction to settle any dispute or claim arising out of or in connection with this Contract or its subject matter or formation.



#### **Aluminium**



F1 - aluminium silver effect



F3 - aluminium gold



F9 - aluminium steel effect



polished chrome effect



polished gold effect

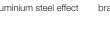
#### **Brass**



F42/F69 - satin nickel effect/satin stainless steel



F72/F9 - satin brass/ aluminium steel effect





black - Resista®



F49-R - polished chrome - Resista®



F77-R - polished brass effect - Resista®



F97-1-R - satin anthracite - Resista®



F49/F9 - polished chrome/alumininium steel effect



F77-R/F52-R - polished brass effect/polished/satin - Resista®



F97-R - polished anthracite - Resista®



F49/F69 - polished chrome/satin stainless steel



F84-1-R - coppercoloured satin -Resista®



F98-R - brushed chrome - Resista®



F49-R/F98-R - polished chrome/brushed chrome - Resista®



F84-R - coppercoloured polished -Resista<sup>®</sup>



F71 - polished brass

F96-1-R - satin black-Resista®

### **Stainless Steel**



F68 - Polished stainless steel



F69 - satin stainless steel



F69-S - satin stainless steel SecuSan®



F78-1-R - light polished brass effect -



F84-1-R - coppercoloured satin -

### Nylon



F1004 - golden yellow



F3003 - red (rouge)



F3005 - claret (burgundy)



F5002 - cobalt blue



F5003 - midnight (dark) F6016 - turquoise blue





F7016 - anthracite grey F7506 - dove grey





F9016 - traffic white



F9017 - ebony black

#### **ARRONE - colour chart**



Polished brass (EB)



PVD PVD-Brass



Polished chrome



Polished stainless steel





SSS Satin stainless steel







