

# ARRONE®

The complete range.



a brand of **HOPPE®** GROUP

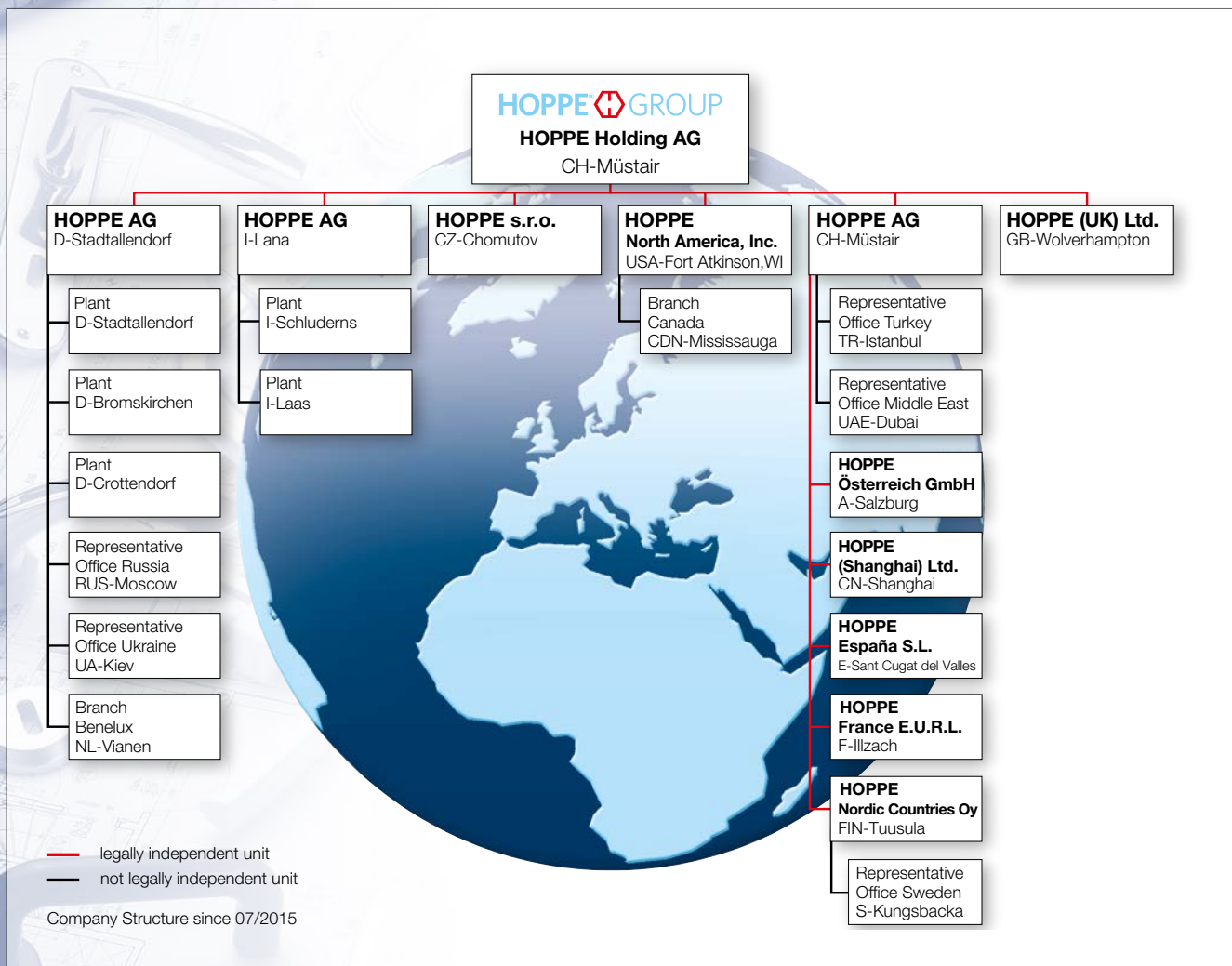
# ARRONE® Range 2016

# 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 more than 2,600 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  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 9001:2008. 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.

## Consideration for the Environment

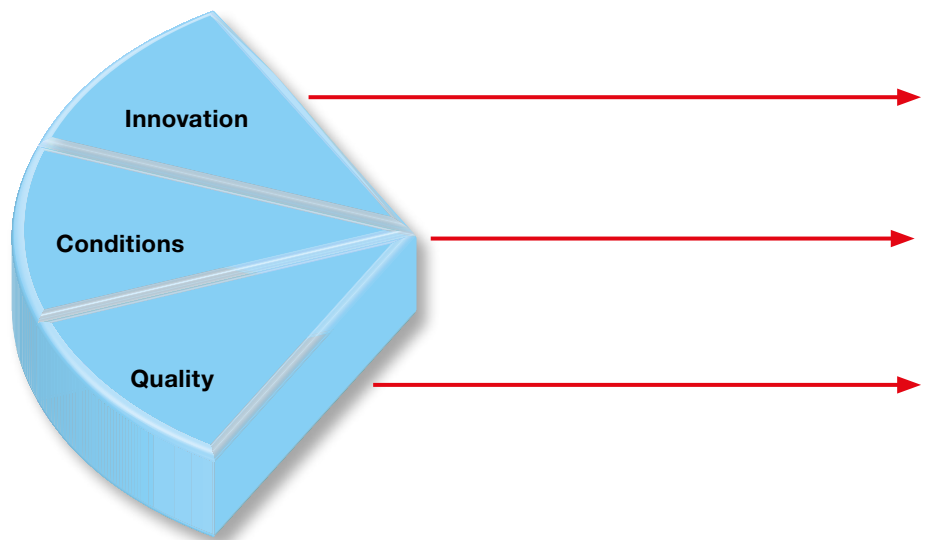
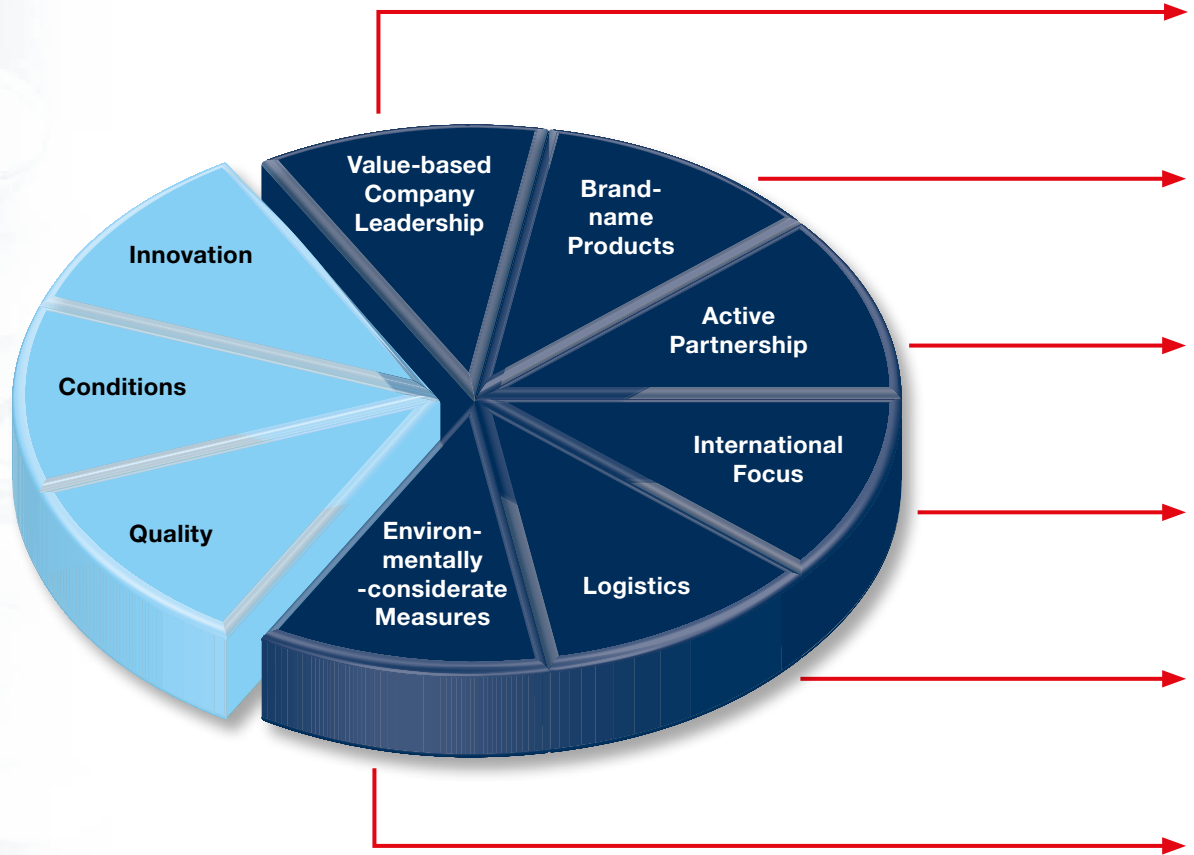
At HOPPE, consideration for the environment is of "constitutional" importance. Some examples are:

- 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
- bio-degradable packaging
- the use of recyclable scrap as secondary raw material
- the use of process heat
- the generation of alternative energy
- energy efficiency measures

All production facilities of the HOPPE Group in Germany, Italy and the Czech Republic are certified to DIN EN ISO 14001:2009 (Environmental Management System). Since 2014, HOPPE AG, Stadthellendorf, is certified to DIN EN ISO 50001:2011 (Energy Management System).



# The Beneficial Performance offered by HOPPE to customers



The **T**otal **B**eneficial **A**dvantage for 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!

**ARRONE®**The **complete** range.**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 for the Middle East market along with accessories. Many products are manufactured exclusively by leading hardware manufacturers throughout the world. Within the extensive range are door closers, floor springs, emergency exit devices, cylinders, architectural mortice lock cases, hinges, disabled fittings, signs and accessories.

ARRONE® products are designed and manufactured to compliment 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.

These new products, many of which where applicable, have been successfully type tested and certified to the latest European standards and also satisfy the UK construction product regulations for Ironmongery.

The extensive range covers the following product categories:

BS EN1935:2002  
BS EN1634-1  
Certifire  
CE Marking

BS EN1154:1997  
BS EN1155:1997  
BS EN1634-1  
Certifire  
CE Marking

BS EN12209:2003  
BS EN179:2008  
BS EN1634-1  
Certifire  
CE Marking

BS EN 1303:2015  
BS EN 1634-1

BS EN1125:2008  
BS EN179:2008  
BS EN1634-1  
Certifire  
CE Marking

**Hinges**

A range of stainless steel hinges which where applicable have been successfully type tested and certified to the latest European standards.

**Door controls**

A range of high efficiency door closers which can satisfy the opening force recommendations of BS8300 and Approved Document "M" where other considerations are also taken into account.

**Locks – 72 mm DIN standard lock cases**

Manufactured in Europe by an ISO 9001 registered company and successfully type tested and certified to the latest European standards this range also features an escape lock.

**Cylinders**











A complete range of master keyed (grand and sub suites), keyed alike and keyed to differ 6 pin cylinders.

**Panic and emergency exit hardware**

A range of exit hardware to suit most timber and metal doors. Successfully type tested and certified to the latest European standards.

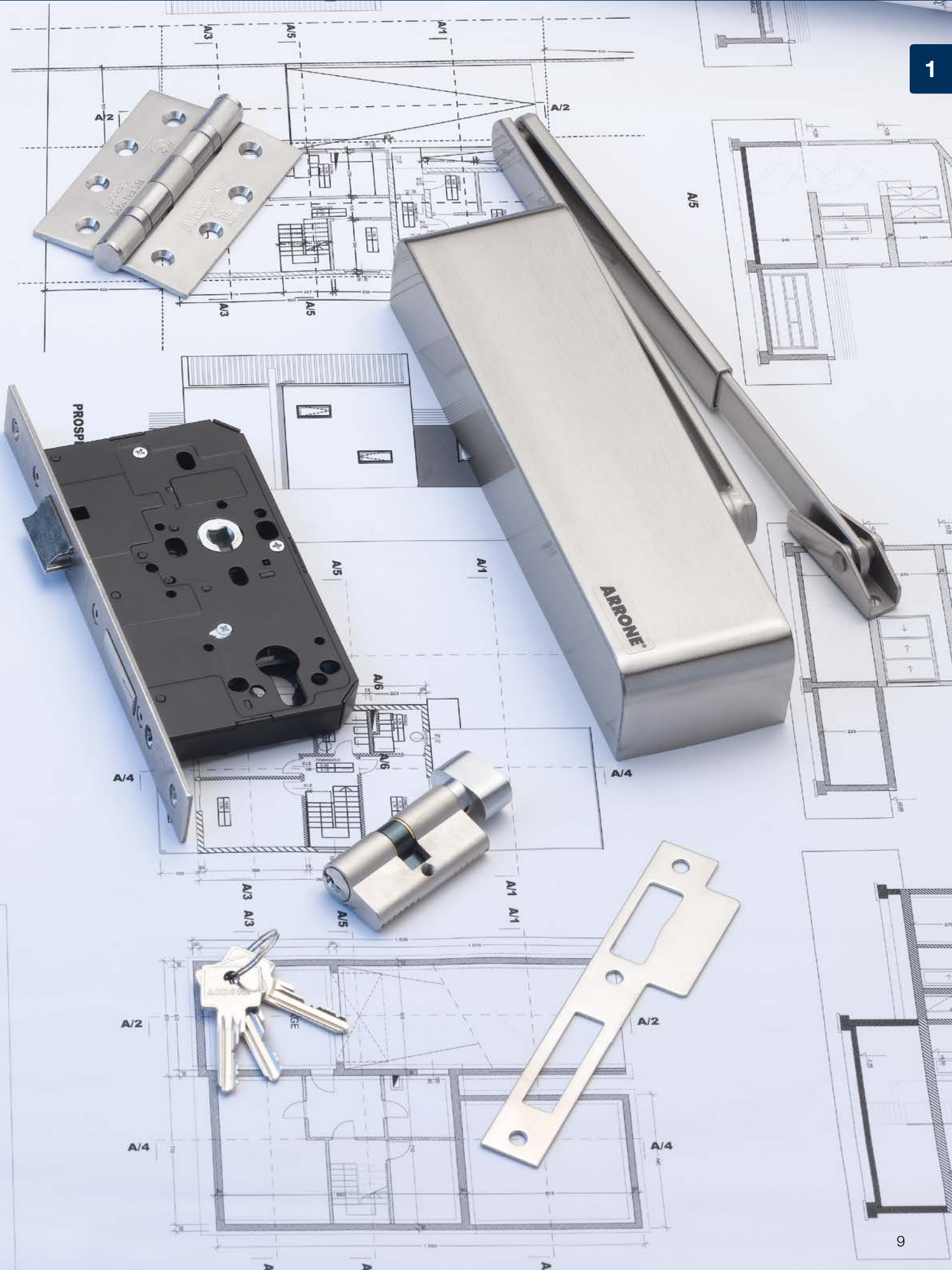
**Pull handles**

Pull handles are available in a wide variety of diameters, lengths, applications and finishes.

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## **Intumescent**

Where products in this catalogue have been included in a controlled fire test the use of intumescent protection may have been integral to the successful outcome of the test and the prescribed fire rating subsequently assigned to the product. Included in various sections of this catalogue the intumescent protection used by HOPPE to achieve a successful fire test have been included. These will include protection for:

- Hinges
- Concealed door closers
- Floor spring accessories
- Mortice locks

Please note that the required fire rating to any door set, either wood or hollow metal, is solely dictated by the door manufacturers' own fire test data and the selected hardware must be compatible with this test evidence. Should there be any confusion in this issue clarity should be sought from the fire test laboratory with whom the door manufacturer achieved his test results.

The use of products on fire rated door sets that are not compatible with the test evidence of the door manufacturer may invalidate the test certification of the door manufacturer.

## 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			
Actual door weight	Doors of excess width, please refer to side loading calculation table		Actual door weight
	Door closer	+ 20%	
	Door closer (backcheck)	+ 75%	
	Extra heavy use	+ 10%	
	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			
Door size		Factor	Normal increase of mass of door leaf %
Door height	Door width		
2000 mm	1000 mm	2	0
2000 mm	1050 mm	1.9	10
2000 mm	1100 mm	1.82	18
2000 mm	1150 mm	1.74	26
2000 mm	1200 mm	1.66	33
2000 mm	1250 mm	1.6	40

## Standards and certification

### BS EN1935 single-axis hinges

BS EN1935 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 categories of use are identified:

- grade 1: light duty
- grade 2: medium duty
- grade 3: heavy duty
- grade 4: severe duty

2

## 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

3

## Digit 3 – Test door mass

Eight door mass grades related to single-axis hinges are identified in this European standard as shown in table 1 below.

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

4

## 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. Such assessment is beyond the scope of this European standard (see EN1634-1).

5

## Digit 5 – Safety

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

6

## Digit 6 – Corrosion resistance

Five grades of corrosion resistance are identified in accordance with EN1670:

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

7

## 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.

8

### Digit 8 – Hinge grade

Fourteen grades are identified in this European standard and are detailed in table 2 below. The full classification is shown in the standard.

1

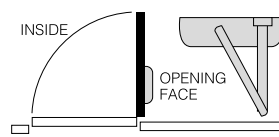
Table 2			
Hinge grade	Usage	Text cycles	Door mass
1	Window	10,000	10 kg
2	Window	10,000	20 kg
3	Window/Door	25,000	20 kg
4	Door	200,000	20 kg
5	Window	10,000	40 kg
6	Window/Door	25,000	40 kg
7	Door	200,000	40 kg
8	Window	10,000	60 kg
9	Window/Door	25,000	60 kg
10	Door	200,000	60 kg
11	Door	200,000	80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

Manufactured using the latest engineering techniques and built to the highest quality by ISO 9001 registered companies in order to meet the latest European industry standards and certification. In addition to performance and durability, style and elegance are further features of the ARNONE® door closer collection.

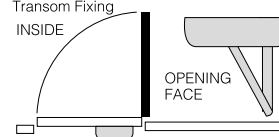
Offering a choice of two metal covers: designer or slimline all available in a range of standard finishes (silver and gold) or metal finishes which in many cases can also be complemented with matching armsets.

## Applications

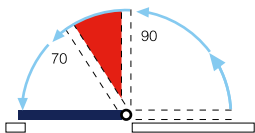
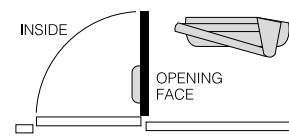
**Fig 1 Application**



**Fig 61 Application**



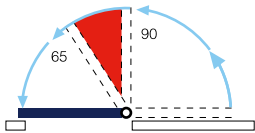
**Fig 6 Application**



## Backcheck

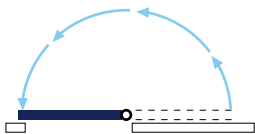
Backcheck offers resistance to opening between 70° and 90° when the door is opened with excessive force. Useful in all situations. Helps prevent damage to building and door frames, particularly where opening is restricted.

**Note:** Backcheck is not a substitute for door stops which should be fitted wherever possible.



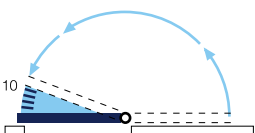
## Delayed action

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 ARNONE® 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.

## Standards and certification

### **BS EN1154:1997 – 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.

1

#### **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

2

#### **Digit 2 – Number of test cycles**

Only one category is identified.

- grade 8: 500,000 cycles

3

#### **Digit 3 – Test door mass/size**

Where a door closer provides a range of power sizes both the minimum and maximum shall be identified.

\* Door mass/size in accordance with BS EN1154:1997

4

#### **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 (see BS EN1634 Part 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.

6

#### **Digit 6 – Corrosion resistance**

Five categories are defined.

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

## Performance: in accordance with BS EN1154

Table 1		
Power size	Max door width	Max door weight
2 *	850 mm	40 kg
3	950 mm	60 kg
4	1100 mm	80 kg
5	1250 mm	100 kg
6	1400 mm	120 kg

\* not to be used on fire resisting doorsets

BS EN1154 – test reports and certificates are available upon request.

## Fire doors – door controls

British/European standards BS EN1154 are the recognised way of demonstrating compliance and they require that an official notified certified body proves both the product and the manufacturers factory production controls, before CE marking can be applied.

With effect from October 2003 European law recommends all relevant door closing devices be CE marked when fitted to a fire door.

## BS8300 and Approved Document “M”

The latest updates to BS8300 and Approved Document “M” (2009+A1:2010) in relation to ironmongery contain the following recommendation with regard to door operating forces, quoting a maximum figure of 30 N opening force when measured at 0° (closed) to 30° and 22.5 N when measured between 30° and 60° open. It is preferable that backcheck should not operate before about 80° open and that the maximum closing force should occur between 0° and 15° of final closing.

It is recommended that doors should also be fitted with high performance hinges which can contribute less than 1 N friction per hinge.

**Note:** It should also be noted that when official testing is carried out it is done so under laboratory conditions. Therefore it is not possible to say that the same doorset and associated hardware which conforms in one location will perform identically in another as other local conditions may apply (smoke and intumescent seals along with differential air pressures being the main factors and consideration).



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 EN12209. The classification achieved is given for each lock separately.

## BS EN12209 Building Hardware – 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.

↑ No. of operations	Increasing side load →				
	grade C	grade H	grade M	grade S	grade X
	grade B	grade G	grade L	grade R	grade W
	grade A	grade F			

3

### 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

4

### 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 EN1634-1 etc.

**Note 1:** A grade 1 classification means only that the lock has been designed for use on fire/smoke control doors; the actual fire performance achieved (e.g. fire integrity of 30 minutes on a partially glazed timber door etc.) will be contained in a separate fire test report.

**Note 2:** Where a product is intended for fire/smoke door use (i.e. a “1” in box 4), it must be possible to demonstrate compliance with the Essential Requirements of the Construction Products (Amendments) Regulations. It is recommended that the product should bear the CE mark (see section on CE marking).

5

### 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 EN179 or BS EN1125.

6

### Digit 6 – Corrosion resistance

Eight grades are identified with neutral salt-spray (NSS) corrosion resistance grades from BS EN1670:2007, with and without temperature resistance as shown:

Corrosion resistance (NSS)	Temperature resistance	
	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	

7

### 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:

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

**9 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
- 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

**10 Digit 10 – Type of spindle operation**

Five grades are identified:

- grade 0: lock without follower
- grade 1: lock with sprung lever or knob
- grade 2: lock with light unsprung lever
- grade 3: lock with heavy unsprung lever
- grade 4: lock with manufacturer's own specification furniture

**11 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 differs ↑	No. of levers →							
				grade F			grade G	
			grade D			grade E		
		grade B			grade C			
	grade A							
grade 0								

**Note:** This applies only to lever locks.  
Cylinders are assessed to BS EN1303:2005.

## Fire doors – locks

British/European standard BS EN12209 is the recognised way of demonstrating compliance and requires that an official notified body proves both the product and the manufacturer's factory product controls are satisfactory before CE marking can be applied.

It is recommended that locks fitted to fire doors should be CE marked.

We offer two distinct ranges of cylinders for Master Keying depending on your specific needs. We offer a wide range of Euro, Rim and Round Mortice threaded cylinders.

### **Key restriction**

The CES Softline and ABUS 6 pin cylinder ranges are manufactured in Germany. Both offer patent protection and are ideal when Grand Master Key suites and key restriction are required.

### **Open section**

The ARRONE® 6 pin cylinders are made in Italy and are the preferred choice when a competitive price is required. Being 6 pin, they offer the flexibility to create Grand Master Key suites. These cylinders do not have key restriction and key blanks are available.

All CES, ARRONE® and ABUS cylinders have been successfully type tested to all the requirements of BS EN1303. The classification achieved is given separately for each range.

The HOPPE (UK) Pinning Centre is staffed by factory trained technicians and is equipped with the latest computerised software and key cutting machinery.

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

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

- Key cutting
- Pad locks
- Container lock

## **BS EN1303 Cylinders for locks**

1

### **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.

2

### **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**

One grade is identified:

- grade 0: no requirement

**4 Digit 4 – Suitable for use on fire resistant / smoke control doors**

Three grades are identified:

- 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

**5 Digit 5 – Safety**

One grade is identified:

- grade 0: no requirements

**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 requirement from - 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.

**7 Digit 7 – Key related security**

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

	Grade					
	1	2	3	4	5	6
<b>Minimum number of effective differs</b>	100	300	15,000	30,000	30,000	100,000
<b>Minimum number of movable levers, pins, discs, etc</b>	2	3	5	5	6	6
<b>Coding on key could disclose combination</b>	Yes	Yes	No	No	No	No
<b>Torque resistance of plug</b>	2.5 Nm	5 Nm	15 Nm	15 Nm	15 Nm	15 Nm

**8 Digit 8 – Attack resistance**

Five grades are identified:

- 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 B: 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.

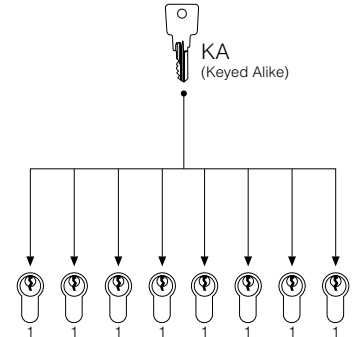
It is recommended that master keying requirements are checked with our sales office to ensure suite arrangement is possible.

### Keyed to differ

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

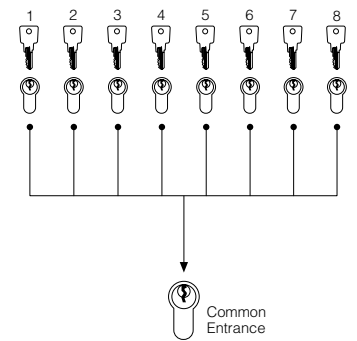
### Keyed Alike suites (KA)

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.



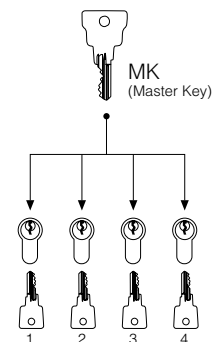
### Common Entrance suites

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.



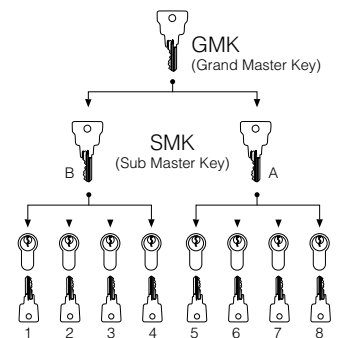
### Master Key suites (MK)

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.



The stylish aesthetics and feature benefits of the ARRONE® panic and emergency exit hardware range offers a slimline and stylish alternative.

The standard ARRONE® exit hardware range offers proven quality and performance, supported by solid engineering principles. Certificates and test reports are available on request.

## BS EN1125 – 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 bar or touch bar. The emphasis for products covered by this standard is on safe exit rather than security.

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 products.

The main purpose of the performance requirements of this standard is to give 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 EN1125 applies to type A (push bar panic bolts) and type B (touch bar panic bolts).

BS EN1125 classifies panic 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.

1

### **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.

2

### **Digit 2 – Durability**

Two categories are identified.

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

3

### **Digit 3 – Test door mass**

Two categories are identified:

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

4

### **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 based on a test in accordance with 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.

6

#### **Digit 6 – Corrosion resistance**

Two grades of corrosion resistance are identified according to EN1670:

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

7

#### **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 over security.

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)

9

#### **Digit 9 – Type of device**

Two types are defined:

- type A: push bar operation
- type B: touch bar operation

10

#### **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

## **BS EN179 – 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 device) and type B (push pad operated emergency device).

BS EN179 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. The particular features in BS EN179 are identical to BS EN1125, with three differences affecting digit 7, 9 and 10.

7

## **Digit 7 – Security**

Products covered by BS EN179 have three identified categories and have the opportunities of greater security than devices covered by BS EN1125. This is because BS EN179 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

9

## **Digit 9 – Type of device**

Two types are defined:

- type A: lever handle operation
- type B: push pad operation

10

## **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

## **Fire door hardware specification issues**

The UK construction products regulations require panic/emergency exit hardware to be safe and durable.

European standards BS EN1125/179 are the recognised way of demonstrating compliance and they require that an official notified body proves both the product and the manufacturers factory production controls before CE marking can be applied.

With effect from October 2003 European law recommends all relevant panic/emergency exit hardware be CE marked when fitted to a fire door.

## **Other issues**

A grade 2 (low projection) panic device should be used in situations where there is restricted width for escape or where doors are not able to open beyond 90°.

Panic device push and touch bars should be installed to provide the maximum effective length but never less than 60% of the door leaf width.

## 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

\* see 4th digit

## CE Marking

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

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.

## Certifire



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

# The Equality Act and BS8300

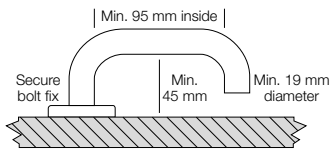
## The Equality Act

The Equality Act is an Act of Parliament dealing with human rights legislation, making it unlawful to discriminate against anyone on grounds of any disability whether permanent or temporary.

## BS8300 – Document “M”

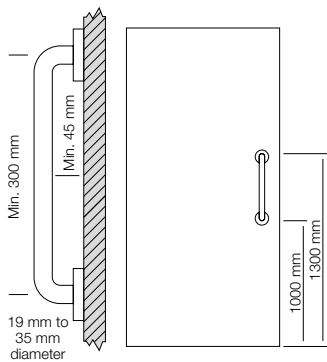
BS8300: 2001 “Design of buildings to meet the needs of disabled people – Code of Practice”. This provides guidance on good practice in the design of buildings so that access is convenient for all.

Approved Document “M” (Doc M) of the building regulations (England and Wales), requires “that reasonable provision shall be made for people to gain access to and use the building and its facilities”.



## Lever handles

Lever handles should be “of the return to door type”. They do not have to be round bar. They should not have sharp edges or immediate changes of direction. They should be securely fixed to door by bolt through fixings and with minimum dimensions as stated in the diagram.



## Pull handles

Pull handles should be bolt fixed to door and have roses to aid the partially sighted. Minimum dimensions are stated in the following diagram. The upper fixing should be a minimum of 1300 mm above floor level. Pull handles can be longer but not shorter than these dimensions.

## Kick plates

To prevent damage to doors from wheelchairs, kick plates should be at least 400 mm high.

## Tonal contrast

To assist the partially sighted, door furniture should contrast with the door, by a minimum of 15 points. This so called “light reflectance value” is measured on a scale of 0 to 100 with pure black being 0 and pure white 100. Hardware and door manufacturers should be able to give the value (from 0 to 100) of their products.

## Maintenance

If stainless steel fittings do show signs of rust, or greasy and oily soiling, they can be removed with a household detergent which the manufacturer states is suitable for stainless steel (refer to manufacturers instructions).

## Finishes

Please refer to the fold out section at the rear of the catalogue for the complete range of stainless steel finishes.





## ARRONE® Hinges

2 Ball Bearing Hinge Grade 13 – Stainless Steel  
102 mm x 76 mm x 3 mm

### Features

- Stainless steel hinge pin
- 2 hinges per box supplied (pair)
- Intumescent pack available for fire door fitting see p. 39

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1935:2002

4	7	6	1*	1	4	0	13
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes steel fire doors.\*



**CE marked:** Certificate 1121-CPD-AC0070



**Certifire approved product:** Certificate CF369

#### CPR Declaration of Performance Certificate – HUK0016

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, polished stainless steel, PVD brass, antique brass

Product ref.	Article description	Finish	Article no.
<b>AR8180-SSS-A1</b>	Butt hinge incl. screws for wooden frames/doors.	<b>SSS</b>	89002072
<b>AR8180-SSS-A2</b>	Butt hinge incl. screws for wooden frames/doors.	<b>SSS</b>	89002548
<b>AR8180-SSS-A4</b>	Butt hinge incl. screws for wooden frames/doors.	<b>SSS</b>	89002555
<b>AR9290-PSS-A1</b>	Butt hinge incl. screws for wooden frames/doors.	<b>PSS</b>	89002101
<b>AR7070-PVD-A1</b>	Butt hinge incl. screws for wooden frames/doors.	<b>PVD</b>	89002107
<b>AR8180-AB-A1</b>	Butt hinge incl. screws for wooden frames/doors.	<b>AB</b>	89001960
<b>AR8180-MS-SSS-A1</b>	Butt hinge incl. screws (M5 x12 mm) for metal frames/doors.	<b>SSS</b>	89001108

### Spare fixings

<b>AR-BBH-SPARE-WS</b>	Spare wood screws (4.5 x 31 mm), bags of 8 pcs	<b>SSS</b>	87132200
<b>AR-BBH-SPARE-MS</b>	Spare machine screws (M5 x 12 mm), bags of 8 pcs (standard)	<b>SSS</b>	89001094
<b>AR-BBH-SPARE-MS-M6</b>	Spare machine screws (M6 x 16 mm), bags of 8 pcs (special)	<b>SSS</b>	89001274



## ARRONE® Hinges

2 Ball Bearing Hinge Grade 13 – Stainless Steel  
102 mm x 76 mm x 3 mm

### Features

- Stainless steel hinge pin
- 2 hinges per box supplied (pair)
- Intumescent pack available for fire door fitting see p. 39

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1935:2002

4	7	6	1*	1	4	0	13
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30 and 60 minutes timber fire doors and 240 minutes steel fire doors.\*



**CE marked:** Certificate 1121-CPD-AC0070



**Certifire approved product:** Certificate CF369

#### CPR Declaration of Performance Certificate – HUK0021

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, polished stainless steel, PVD brass

Product ref.	Article description	Finish	Article no.
<b>AR8182-SSS-A1</b>	Radiused corner butt hinge incl. screws for wooden frames/doors	<b>SSS</b>	89002142
<b>AR8182-SSS-A2</b>	Radiused corner butt hinge incl. screws for wooden frames/doors	<b>SSS</b>	89002569
<b>AR9292-PSS-A1</b>	Radiused corner butt hinge incl. screws for wooden frames/doors	<b>PSS</b>	89002149
<b>AR7072-PVD-A1</b>	Radiused corner butt hinge incl. screws for wooden frames/doors	<b>PVD</b>	89002156



## ARRONE® Hinges

Concealed Bearing Hinge Grade 13 – Stainless Steel  
102 mm x 76 mm x 3 mm

### Application

The ARRONE® range of concealed bearing architectural hinges is designed for high performance and heavy duty use on high traffic public buildings such as hospitals and schools along with higher prestige public and commercial buildings where aesthetics and performance are required.

### Features

- Hinge leaves, knuckles and caps manufactured from grade 304 stainless steel
- High performance concealed bearing, very little maintenance required
- 3 hinges per box supplied
- Radiused corners available on request
- Intumescent pack available for fire door fitting see p. 39

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1935:2002

4	7	6	1*	1	4	0	13
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 minutes timber fire doors and 240 minutes steel fire doors.\*



**CE marked:** Certificate 1121-CPR-AC5027



**Certifire approved product:** Certificate CF5197

#### CPR Declaration of Performance Certificate – HUK0050

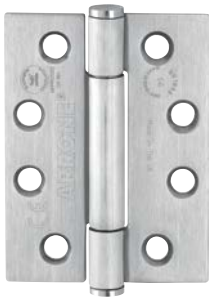
Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finish

- Satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR8580-SSS-A2</b>	Butt hinge incl. screws for wooden frames/doors	<b>SSS</b>	87139200





## ARRONE® Hinges

Heavy Duty Concealed Bearing Hinge Grade 14 – Stainless Steel  
102 mm x 76 mm x 3 mm

### Features

- Available in 304 and 316 stainless steel
- High performance concealed bearing
- Independently tested to 1,000,000 cycles
- 2 hinge per box supplied (pair)
- 2 further hinge widths available: 102x89 and 102x102 mm
- Intumescent pack available for fire door fitting see p. 39

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1935:2002

4	7	7	1*	1	4	0	14
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 60, 90 and 120 minutes timber fire doors and 240 minutes steel fire doors.\*



**CE marked:** Certificate 1121-CPD-AC0102



**Certifire approved product:** Certificate CF351

#### CPR Declaration of Performance Certificate – HUK0051

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finish

- Satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR2771-SSS-A2</b>	Butt hinge incl. screws for wooden frames/doors.	<b>SSS</b>	50001024
<b>AR2771-MS-SSS-A2</b>	Butt hinge incl. screws (M6) for metal frames/doors.	<b>SSS</b>	89002807

### Spare fixings

<b>AR-CB-SPARE-MS</b>	Spare machine screws (M6 x 12 mm) bags of 24 pcs	<b>SSS</b>	50001176
<b>AR-CB-SPARE-WS</b>	Spare wood screws bags of 24 pcs	<b>SSS</b>	50001188



## ARRONE® Hinges

2 Ball Bearing Hinge Grade 13 – Stainless Steel  
102 mm x 89 mm x 3 mm

### Features

- Stainless steel hinge pin
- 2 hinges per box supplied (pair)
- Intumescent pack available for fire door fitting see p. 39

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1935:2002

4	7	6	1*	1	4	0	13
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes steel fire doors.\*



**CE marked:** Certificate 1121-CPD-AC0070



**Certifire approved product:** Certificate CF369

#### CPR Declaration of Performance Certificate – HUK0057

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, polished stainless steel, PVD brass

Product ref.	Article description	Finish	Article no.
<b>AR8680-SSS-A1</b>	Butt hinge incl. screws for wooden frames/doors.	<b>SSS</b>	89001142
<b>AR8680-PSS-A1</b>	Butt hinge incl. screws for wooden frames/doors.	<b>PSS</b>	89001149
<b>AR8680-PVD-A1</b>	Butt hinge incl. screws for wooden frames/doors.	<b>PVD</b>	89001136



## ARRONE® Hinges

Phosphor Bronze Bearing Hinge Grade 13 – Stainless Steel  
100 mm x 88 mm x 3 mm

### Application

The ARRONE® range of phosphor bronze bearing architectural hinges is designed for high performance and heavy duty use on high traffic public buildings such as hospitals and schools along with higher prestige public and commercial buildings where aesthetics and performance are required.

### Features

- Hinge leaves, knuckles and caps manufactured from grade 304 stainless steel
- High performance phosphor bronze bearing, very little maintenance required
- 3 hinges per box supplied
- Radiused corners available on request
- Intumescent pack available for fire door fitting see p. 39

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1935:2002

4	7	6	1*	1	4	0	13
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 minutes timber fire doors and 240 minutes steel fire doors.\*



**CE marked:** Certificate 1121-CPR-AC5027



**Certifire approved product:** Certificate CF5197

#### CPR Declaration of Performance Certificate – HUK0049

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finish

- Satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR8380-SSS-A2</b>	Butt hinge incl. screws for wooden frames/doors	<b>SSS</b>	87139242



## ARRONE® Hinges

2 Ball Bearing Hinge Grade 13 Hinge – Stainless Steel  
102 mm x 102 mm x 3 mm

### Features

- Stainless steel hinge pin
- 2 hinges per box supplied (pair)
- Intumescent pack available for fire door fitting see p. 39

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1935:2002

4	7	6	1*	1	4	0	13
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30 and 60 minutes timber fire doors and 240 minutes steel fire doors.\*



**CE marked:** Certificate 1121-CPD-AC0070



**Certifire approved product:** Certificate CF369

#### CPR Declaration of Performance Certificate – HUK0017

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, polished stainless steel, PVD brass, antique brass

Product ref.	Article description	Finish	Article no.
<b>AR8184-SSS-A1</b>	Butt hinge incl. screws for wooden frames/doors.	<b>SSS</b>	89002114
<b>AR8184-SSS-A2</b>	Butt hinge incl. screws for wooden frames/doors.	<b>SSS</b>	89001519
<b>AR9294-PSS-A1</b>	Butt hinge incl. screws for wooden frames/doors.	<b>PSS</b>	89002121
<b>AR7074-PVD-A1</b>	Butt hinge incl. screws for wooden frames/doors.	<b>PVD</b>	89002128
<b>AR8184-AB-A1</b>	Butt hinge incl. screws for wooden frames/doors.	<b>AB</b>	89001967
<b>AR8184-MS-SSS-A1</b>	Butt hinge incl. screws (M5 x 12 mm) for metal frames/doors.	<b>SSS</b>	89001596
<b>AR8184-WMS-SSS-A1</b>	Butt hinge incl. screws for metal frames/wooden doors.	<b>SSS</b>	89001603



## ARRONE® Hinges

2 Ball Bearing Hinge Grade 13 – Stainless Steel  
114 mm x 102 mm x 3 mm

### Features

- Stainless steel hinge pin
- 2 hinges per box supplied (pair)
- Intumescent pack available for fire door fitting see p. 39

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1935:2002

4	7	6	1*	1	4	0	13
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30 and 60 minutes timber fire doors and 240 minutes steel fire doors.\*



**CE marked:** Certificate 1121-CPD-AC0070



**Certifire approved product:** Certificate CF369

#### CPR Declaration of Performance Certificate – HUK0058

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finish

- Satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR8185-SSS-A1</b>	Butt hinge incl. screws for wooden frames/doors.	<b>SSS</b>	89000764
<b>AR8185-MS-SSS-A1</b>	Butt hinge incl. screws (M5 x 12 mm) for metal frames/doors.	<b>SSS</b>	89001289



## ARRONE® Hinges

2 Ball Bearing Hinge Grade 13 – Stainless Steel  
114 mm x 114 mm x 3 mm

### Features

- Stainless steel hinge pin
- 2 hinges per box supplied (pair)
- Intumescent pack available for fire door fitting see p. 39

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1935:2002

4	7	6	1*	1	4	0	13
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1.  
Assessed for use on 240 minutes steel fire doors.\*



**CE marked:** Certificate 1121-CPD-AC0070



**Certifire approved product:** Certificate CF369

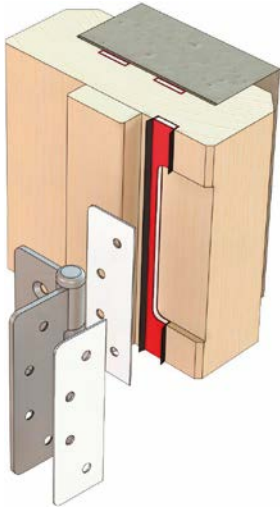
#### CPR Declaration of Performance Certificate – HUK0059

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finish

- Satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR8189-MS-SSS-A1</b>	Butt hinge incl. screws (M5 x 12 mm) for metal frames/doors.	<b>SSS</b>	89001296



## ARRONE® Intumescent Packs

Intumescent packs for hinges

### Features

- Flat sheets of 2 mm thick material
- 6 pads per pack (suitable for 3 hinges)

### Standards and certification



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. For use on 30, 60, 90 and 120 minutes timber fire doors.

2

Product ref.	Article description	Article no.
<b>AR/INT-8180</b>	To suit 102 x 76 mm sized hinges	87134476
<b>AR/INT-8680</b>	To suit 102 x 89 mm sized hinges	87134672
<b>AR/INT-8184</b>	To suit 102 x 102 mm sized hinges	87134483
<b>AR/INT-8185</b>	To suit 114 x 102 mm sized hinges	87134497
<b>AR/INT-8189</b>	To suit 114 x 114 mm sized hinges	87134665



## ARRONE® Hinges Residential Grade

2 Ball Bearing Hinge – Stainless Steel  
102 mm x 76 mm x 3 mm

### Features

- 2 hinges per box supplied (pair)
- Suitable for non-fire rated doors only

### Finish

- Satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR7170-SSS-A1</b>	Butt hinge incl. screws for wooden frames/doors.	<b>SSS</b>	50002867



## ARRONE® Hinges

Single Action Spring Hinge – Stainless Steel

### Features

- 3 spring hinge pack comprises 2 spring hinges and 1 unsprung unit
- The 102 x 76 x 3 mm spring-hinges are suitable for doors weighting up to 40 kg
- The 102 x 102 x 3 mm spring-hinges are suitable for doors weighting up to 60 kg
- Supplied with Allen key for adjustment of spring tension (with use of locking point)

### Finish

- Satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR8280-3PACK-SSS-A1</b>	Single action spring hinge incl. wood screws, 102 x 76 x 3 mm	<b>SSS</b>	87109011
<b>AR8282-3PACK-SSS-A1</b>	Single action spring hinge incl. wood screws, 102 x 102 x 3 mm	<b>SSS</b>	87109017



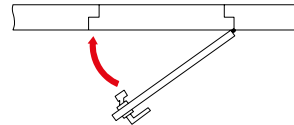


## ARRONE® Rising Butt Hinges

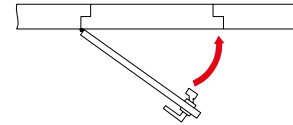
Rising Butt Hinges  
102 mm x 76 mm x 3 mm

### Features

- Max. door weight: 40 kg
- 2 hinges per box supplied (pair)
- Supplied with screws for metal frames / wooden doors
- Template drilled



**Clockwise Closing**  
(left handed door)



**Anti-Clockwise Closing**  
(right handed door)

### Finish

- Satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR8183-WMS-LH-SSS-A1</b>	Rising butt hinge left hand	<b>SSS</b>	89001204
<b>AR8183-WMS-RH-SSS-A1</b>	Rising butt hinge right hand	<b>SSS</b>	89001303

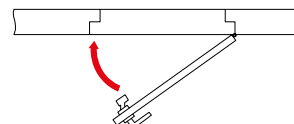


## ARRONE® Rising Butt Hinges

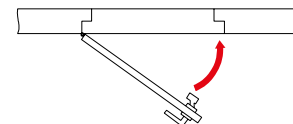
Rising Butt Hinges  
102 mm x 76 mm x 3 mm

### Features

- Max. door weight: 40 kg
- 2 hinges per box supplied (pair)
- Supplied with screws for metal frames / wooden doors
- Template drilled



**Clockwise Closing**  
(right handed door)



**Anti-Clockwise Closing**  
(left handed door)

### Finish

- Satin stainless steel




Product ref.	Article description	Finish	Article no.
<b>AR7716-MS-LH-SSS-A2</b>	Rising butt hinge left hand, incl. machine screws	<b>SSS</b>	50002880
<b>AR7715-MS-RH-SSS-A2</b>	Rising butt hinge right hand, incl. machine screws	<b>SSS</b>	50002879













3

# Door Control Selection Chart

	Max Size 3 (Light Duty)	Max Size 4 (Medium Duty)	Max Size 4 (Medium Duty)	Max Size 4 (Medium Duty)	Max Size 4 (Medium Duty)	Max Size 4 (Medium Duty)
Product Image						
Product Reference	<b>AR450</b>	<b>AR6800 and AR6900</b>	<b>AR8200</b>	<b>AR8500</b>	<b>AR7383</b>	<b>AR6509</b>
Power Size	3	2 to 4	2 to 4	2 to 4	2 to 4	2 to 4
Arm Type	Standard	Platform	Platform	Platform	Slide	Slide
Power Adjustment Method	Fixed	Template	Template	Template	Spring	Spring
Max Door Width (Fig 1, Fig 6, Fig 61)	950 mm	1100 mm (Fig 1 & 61) 950 mm (Fig 6)	1100 mm (Fig 1 & 61) 950 mm (Fig 6)	1100 mm (Fig 1 & 61) 950 mm (Fig 6)	1100 mm (Regular & Transom fixing)	1100 mm (Regular & Transom pull only)
Max Door Weight (Fig 1, Fig 6, Fig 61)	60 kgs	80 kgs (Fig 1 & 61) 60 kgs (Fig 6)	80 kgs (Fig 1 & 61) 60 kgs (Fig 6)	80 kgs (Fig 1 & 61) 60 kgs (Fig 6)	80 kgs (Regular & Transom fixing)	80 kgs (Regular & Transom pull only)
Mechanism Type	Rack & Pinion	Rack & Pinion	Rack & Pinion	Rack & Pinion	Cam Action	Cam Action
Adjustable Closing Speed	Yes	Yes	Yes	Yes	Yes	Yes
Backcheck	No	No	Optional	Optional	(Cushion Stop Optional)	No
Delayed Action	No	No	No	No	No	No
Adjustable Latch Action	Yes (Fig 1 Only)	Yes (Fig 1 & 61 Only)	Yes (Fig 1 & 61 Only)	Yes (Fig 1 & 61 Only)	Yes	Yes (Regular Position Only)
BS EN1154/BS EN1155 Classification	4 8 3 1* 1 3 (Fig 1 & 61)	3 8 4/2 1* 1 3 (Fig 1 & 61)	3 8 4/2 1* 1 3 (Fig 1 & 61)	3 8 4/2 1* 1 3 (Fig 1 & 61)	3 8 4/2 1* 1 3 (Regular pull side & Transom push & pull only)	3 8 4/2 1* 1 3 (Regular & Transom pull only)
	3 8 3 1* 1 3 (Fig 6)	3 8 3 1* 1 3 (Fig 6)	3 8 3 1* 1 3 (Fig 6)	3 8 3 1* 1 3 (Fig 6)		
Maximum Opening Angle	180° (Fig 1 & 61) 105° (Fig 6)	105°	105°	105°	120°	105°
Universal Application Fig 1, Fig 6, Fig 61	Yes	Yes	Yes	Yes	Yes (Regular pull)	Yes (Regular pull)
Slide Arm Option	No	No	No	No	Standard	Standard
Stand Open Arm (Hold Open)	No	No	Optional	No	Optional	No
Drop Plate	No	No	No	No	No	No
Timber Door Fire Rating to BS EN1634-1	Yes 30, 60 & 120 Mins	Yes 30, 60 & 120 Mins	Yes 30, 60 & 120 Mins	Yes 30, 60 & 120 Mins	Yes 30, 60, 90 & 120 Mins	Yes 60 Mins
Metal Door Fire Rating to BS EN1634-1	No	No	Yes – 240 Min	Yes – 240 Min	Yes – 240 Min	Yes – 240 Min
CE Marked	Yes – Certificate AD0178	Yes – Certificate AD0095	Yes – Certificate AD0118	Yes – Certificate AD0118	Yes, Certificate AD5071	Yes – Certificate AD0191
Certifire	No	Yes – Certificate CF603	Yes – Certificate CF295	Yes – Certificate CF295	Yes – Certificate CF5181	Yes – Certificate CF5038
CPR Declaration of Performance	HUK0018	HUK0025	HUK0020	HUK0020	HUK0026	HUK0055
Electrical Guarantee	N/A	N/A	N/A	N/A	N/A	N/A
Slimline Cover	No	No	No	Yes	No	Yes
Designer Cover	No	Yes	No	No	No	No
Matching Arms	Yes	Yes	Yes	Yes	Yes	Yes
Finishes	SE, GE, WH, BL	SE, GE and PB, PC, SNP	SE, GE, SSS	SE, GE, PB, PC, SNP, SSS	SE, SNP, PC	SSS
Page	p. 46	p. 47	p. 48-49	p. 48-49	p. 56	p. 50

**BS8300 / "ADM" minimum door width:** Where stated, these products can satisfy the opening force recommendations of BS8300 and Approved Document "M" when fitted to a door of the minimum stated width according to 3rd party test data. However, other installed hardware, door seals and differential air pressures will affect the products "as fitted" performance meaning that the door closer alone cannot allow compliance to BS8300 and Approved Document "M".

Max Size 4 (Medium Duty)	Max Size 4 (Medium Duty)	Max Size 5 (Heavy Duty)	Max Size 5 (Heavy Duty)	Max Size 5 (Heavy Duty)	Max Size 6 (Extreme Duty)	Max Size 6 (Extreme Duty)	Max Size 6 (Extreme Duty)
							
<b>AR8209</b>	<b>AR1998</b>	<b>AR5200</b>	<b>AR5500</b>	<b>AR8300</b>	<b>AR9200</b>	<b>AR9500</b>	<b>AR9300</b>
2 to 4	4 (24v DC)	2 to 5	2 to 5	2 to 5	2 to 6	2 to 6	1 to 6
Slide	Platform	Platform	Platform	Platform	Platform	Platform	Platform
Spring	Fixed	Size 2 Template, Size 3-5 Spring	Size 2 Template, Size 3-5 Spring	Spring	Spring	Spring	Spring
1100 mm (Regular pull side & Transom push & pull only)	1100 mm	1250 mm (Fig 1 & Fig 61) 1100 mm (Fig 6)	1250 mm (Fig 1 & Fig 61) 1100 mm (Fig 6)	1250 mm (Fig 1 & Fig 61) 950 mm (Fig 6)	1400 mm (Fig 1) 1250 mm (Fig 6)	1400 mm (Fig 1) 1250 mm (Fig 6)	1400 mm (Fig 1 & Fig 61) 1250 mm (Fig 6)
80 kgs (Regular pull side & Transom push & pull only)	80 kgs	100 kgs (Fig 1 & Fig 61) 80 kgs (Fig 6)	100 kgs (Fig 1 & Fig 61) 80 kgs (Fig 6)	100 kgs (Fig 1 & Fig 61) 60 kgs (Fig 6)	120 kgs (Fig 1) 100 kgs (Fig 6)	120 kgs (Fig 1) 100 kgs (Fig 6)	120 kgs (Fig 1 & Fig 61) 100 kgs (Fig 6)
Rack & Pinion	Cam Action Electro Mag	Rack & Pinion	Rack & Pinion	High Performance Rack & Pinion	Rack & Pinion	Rack & Pinion	Rack & Pinion
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Yes (Opening Angle Restricted to 105° When in Use)	No	Yes	Yes	Optional*	Yes	Yes	Optional
No	No	Optional*	Optional*	Optional*	Optional*	Optional*	Optional*
Yes (Regular Position Only)	Yes	Yes (Fig 1 & 61 Only)	Yes (Fig 1 & 61 Only)	Yes	Yes (Fig 1)	Yes (Fig 1)	Yes (Fig 1 & 61 Only)
4 8 4/2 1* 1 3 (Regular pull side & Transom push & pull only)	3 8 4 1* 1 3 (Fig 1)	4 8 5/2 1* 1 4 (Fig 1)	4 8 5/2 1* 1 4 (Fig 1)	3 8 5/2 1* 1 3 (Fig 1 & 61)	4 8 6/2 1* 1 3 (Fig 1)	4 8 6/2 1* 1 3 (Fig 1)	3 8 1/6 1* 1 3 (Fig 1 & 61)
	3 8 3 1* 1 3 (Fig 6)	3 8 4/3 1* 1 4 (Fig 6)	3 8 4/3 1* 1 4 (Fig 6)	3 8 3 1* 1 3 (Fig 6)	4 8 5/2 1* 1 3 (Fig 6)	4 8 5/2 1* 1 3 (Fig 6)	3 8 1/5 1* 1 3 (Fig 6)
		4 8 4/2 1* 1 4 (Fig 61)	4 8 4/2 1* 1 4 (Fig 61)				
180°	105°	180° (Fig 1 & 61) 130° (Fig 6)	180° (Fig 1 & 61) 130° (Fig 6)	105°	180°	180°	105°
No	No	Yes	Yes	Yes	No	No	Yes
Standard	Optional*	No	No	No	No	No	No
Optional	Yes (Electro Mag)	Optional	Optional	Optional	No	No	No
No	No	Yes	Yes	Optional*	No	No	No
Yes 30, 60 & 120 Mins	Yes 30, 60 & 120 Mins	Yes 30, 60 & 120 Mins	Yes 30, 60 & 120 Mins	Yes 30, 60 & 120 Mins	Yes 30, 60 & 120 Mins	Yes 30, 60 & 120 Mins	Yes 120 Mins
No	No	Yes – 240 Min	Yes – 240 Min	Yes – 240 Mins	Yes – 240 Mins	Yes – 240 Mins	Yes – 240 Mins
Yes - Certificate AD0295	Yes – Certificate AE0017	Yes – Certificate AD0239	Yes – Certificate AD0239	Yes – Certificate AD0136	Yes – Certificate AD0162	Yes – Certificate AD0162	Yes – Certificate AD0087
Yes - Certificate CF770	Yes – Certificate CF494	Yes – Certificate CF295	Yes – Certificate CF295	Yes – Certificate CF494	Yes – Certificate CF295	Yes – Certificate CF295	Yes – Certificate CF497
HUK0027	HUK0006	HUK0005	HUK0005	HUK0028	HUK0029	HUK0029	HUK0056
N/A	Yes – 2 years	N/A	N/A	N/A	N/A	N/A	N/A
No	Yes	No	Yes	Yes	No	Yes	Yes
No	No	No	No	No	No	No	No
Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
SE, SSS	SE, PB, PC, SNP, SSS	SE	SE, PB, PC, SNP, SSS	SE, PB, PC, SNP, SSS	SE	SSS	SSS
p. 51	p. 58	p. 52	p. 52	p. 53	p. 54	p. 54	p. 55

\* Features marked with the asterisk indicate that the product falls outside of its CE Marking and Certifire Approval with this feature in use.



## ARRONE® AR450 Series Door Closer

### Fixed Power Size 3

A versatile, entry level closer, fully performance and fire tested unit where competitive pricing is important.

#### Features

- Suitable for doors up to 950 mm wide/60 kg weight
- Diecast body
- Rack and pinion mechanism
- Universal application (Fig 1, Fig 6 and Fig 61)
- Adjustable easy fix snap arm
- Adjustable closing speed and latch action
- Available in silver or gold with matching arms
- Fixings for timber and metal doors

#### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1154:1997

Fig 1 and 61	4	8	3	1*	1	3
Fig 6	3	8	3	1*	1	3



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.\*



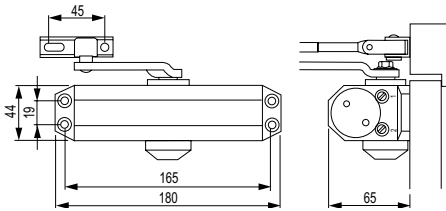
**CE marked:** Certificate 1121-CPD-AD0178

#### CPR Declaration of Performance Certificate – HUK0018

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

#### Finishes

- Silver, gold, white, black



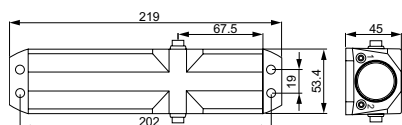
Product ref.	Article description	Finish	Article no.
<b>AR450-SE</b>	Door closer	<b>SE</b>	87109670
<b>AR450-GE</b>	Door closer	<b>GE</b>	87109671
<b>AR450-WH</b>	Door closer (F9016)	<b>WH</b>	89001359
<b>AR450-BL</b>	Door closer (F9005)	<b>BL</b>	89001366



**AR6800**



**AR6900-D**



**AR6800**



**AR6900-D**

## ARRONE® AR6800 / AR6900 Series Door Closer

### Power Size 2 – 4 Template Adjustable

This traditional contract unit (AR6800) is widely used in many light frequency commercial applications (especially fire doors) where performance and reliability is required. The addition of our Mini-Designer metal cover (AR6900) further enhances this popular closer.

#### Features

- Suitable for use on doors 1100 mm maximum/80 kg weight (when fitted in Fig 1)
- Rack and pinion mechanism
- Universal application (Fig 1, Fig 6 and Fig 61)
- Adjustable easy fix snap arm
- Adjustable closing speed and latch action
- Fixings for timber and metal doors

#### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1154:1997

Fig 1 and 61	3	8	4 2	1*	1	3
Fig 6	3	8	3	1*	1	3



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.\*



**CE marked:** Certificate 1121-CPD-AD0095



**Certifire approved product:** Certificate CF603

#### CPR Declaration of Performance Certificate – HUK0025

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

#### Finishes

- AR6800 (matching arms): Silver, gold
- AR6900 (matching arms): Silver, polished brass, polished chrome, satin nickel plated

Product ref.	Article description	Finish	Article no.
<b>AR6800-SE</b>	Door closer, silver body and armset	<b>SE</b>	87105960
<b>AR6800-GE</b>	Door closer, gold body and armset	<b>GE</b>	87106904

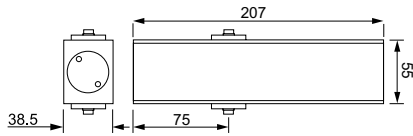
<b>AR6900-D-SE/SE</b>	Door closer, silver cover and armset	<b>SE</b>	87106817
<b>AR6900-D-PB/PB</b>	Door closer, polished brass cover and armset	<b>PB</b>	87106819
<b>AR6900-D-PC/PC</b>	Door closer, polished chrome cover and armset	<b>PC</b>	89002338
<b>AR6900-D-SNP/SNP</b>	Door closer, satin nickel plated cover and armset	<b>SNP</b>	89002331



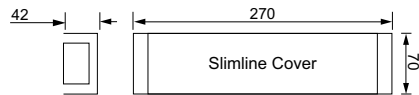
**AR8200**



**AR8500-L (Slimline Cover)**



**AR8200**



**AR8500-L**

## ARRONE® AR8200 / AR8500 Series Door Closer

Power Size 2 – 4 Template Adjustable

The AR8200 Series unit combined with our “slimline” cover (AR8500) will enhance the appearance of many medium frequency doors where style finish and performance are required.

### Features

- Suitable for use on doors up to 1100 mm wide/80 kg weight (when fitted in Fig 1 and 61)
- Extruded aluminium body
- Rack and pinion mechanism
- Universal application (Fig 1, Fig 6 and Fig 61)
- Backcheck optional
- Adjustable easy fix snap arm
- Adjustable closing speed and latch action
- Hold open arm optional
- **Please note:** when used with hold open arm, this is not suitable for fire doors
- Fixings for timber and metal doors

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1154:1997

Fig 1 and 61	3	8	4 2	1*	1	3
Fig 6	3	8	3	1*	1	3



#### Fire safety:

Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPD-AD0118



**Certifire approved product:** Certificate CF295

#### CPR Declaration of Performance Certificate – HUK0020

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- AR8200 (matching arms):  
Silver, gold, satin stainless steel
- AR8500 (matching arms):  
Silver, gold, polished brass, polished chrome, satin nickel plated, satin stainless steel



## ARRONE® AR8200 / AR8500 Series Door Closer

Product ref.	Article description	Finish	Article no.
<b>AR8200-SE</b>	Door closer c/w slide cover, silver body silver arm	<b>SE</b>	87106851
<b>AR8200-GE</b>	Door closer c/w slide cover, gold body gold arm	<b>GE</b>	87106852

<b>AR8200-BC-SE</b>	Door closer c/w slide cover, silver body silver arm	<b>SE</b>	87106856
<b>AR8200-BC-SSS</b>	Door closer c/w slide cover, satin stainless steel body and arm	<b>SSS</b>	87106860

<b>AR8200-HOA-SE</b>	Door closer c/w slide cover, silver body with hold open arm	<b>SE</b>	87114397
<b>AR8200-ARM-HOA-SE</b>	Hold open arm only	<b>SE</b>	87103066

<b>AR8500-L-SE/SE</b>	Door closer c/w slimline cover and arm	<b>SE</b>	87114271
<b>AR8500-L-GE/GE</b>	Door closer c/w slimline cover and arm	<b>GE</b>	87114201
<b>AR8500-L-PB/PB</b>	Door closer c/w slimline cover and arm	<b>PB</b>	87114229
<b>AR8500-L-PC/PC</b>	Door closer c/w slimline cover and arm	<b>PC</b>	89002653
<b>AR8500-L-SNP/SNP</b>	Door closer c/w slimline cover and arm	<b>SNP</b>	89002660
<b>AR8500-L-SSS/SSS-A2</b>	Door closer c/w slimline cover and arm	<b>SSS</b>	89002667

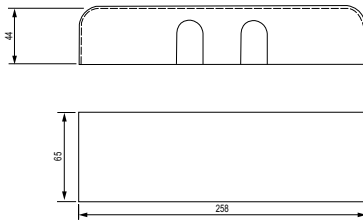
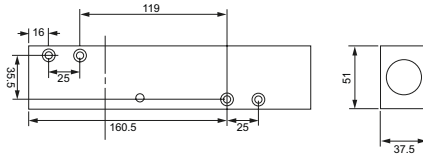
**BC** = Backcheck  
**HOA** = Hold Open Arm  
 c/w = Complete With



## ARRONE® AR6509 Surface Mounted Slide Arm Door Closer

Power Size 2 – 4 Spring Adjustable

This highly specified slide arm unit is suited to applications where pleasing aesthetics and additional safety is required. Ideally suited to schools where a projecting arm can lead to vandalism.



Cover Dimensions

### Features

- Suitable for doors up to 1100 mm wide / 80 kg weight
- Cam action mechanism
- Suitable for use in Regular and Pull transom mounting
- Adjustable closing speed and latch action
- Fixings for timber and metal doors
- 304 and 316 cover available

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1154:1997

Fig 1 and Fig 61	3	8	4 2	1*	1	3
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 60 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPD-AD0191



**Certifire approved product:** Certificate CF5038

**CPR Declaration of Performance Certificate – HUK0055**

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finish

- Satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR6509-L-SSS-A2</b>	Slide arm door closer	<b>SSS</b>	50001681
<b>AR6509-L-SSS-A4</b>	Slide arm door closer	<b>SSS</b>	50001693



## ARRONE® AR8209 Surface Mounted Slide Arm Door Closer

Power Size 2 – 4 Spring Adjustable

This highly specified slide arm unit is suited to applications where pleasing aesthetics and additional safety is required. Ideally suited to schools where a projecting arm can lead to vandalism.

### Features

- Suitable for doors up to 1100 mm wide / 80 kg weight
- Power size adjustable 2-4 by spring in accordance with BS EN1154:1997
- Rack and pinion mechanism
- Suitable for use in Regular, Push & Pull transom mounting
- Adjustable closing speed and latch action
- Backcheck
- Fixings for timber and metal doors

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1154:1997

Fig 1	4	8	4 2	1*	1	3
Fig 61 (Pull Side)	4	8	4 2	1*	1	3
Fig 61 (Push Side)	3	8	4 2	1*	1	3



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.\*



**CE marked:** Certificate 1121-CPD-AD0275



**Certifire approved product:** Certificate CF770

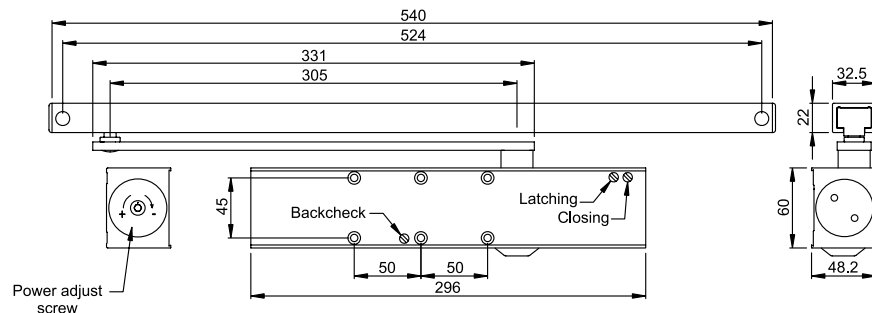
**CPR Declaration of Performance Certificate – HUK0027**

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Silver, satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR8209-SE</b>	Slide arm door closer	<b>SE</b>	87116128
<b>AR8209-SSS</b>	Slide arm door closer	<b>SSS</b>	87116135
<b>HS-AR-8209-HOA-KIT</b>	Hold open arm kit	<b>SE</b>	50001425

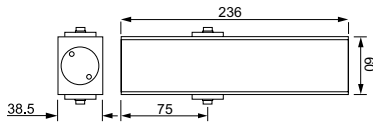




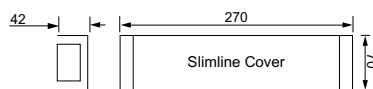
**AR5200**



**AR5500-L (Slimline Cover)**



**AR5200**



**AR5500-L (Slimline Cover)**

## ARRONE® AR5200 / AR5500 Series Door Closer

Power Size 2 – 5 Spring Adjustable (size 2 template adjustable)

A rack and pinion mechanism door closer combined with the new elegant “slimline” cover (AR5500), makes the AR5200/AR5500 Series ideal for use on many high frequency doors.

### Features

- Suitable for doors up to 1250 mm wide/100 kg weight (when fitted in Fig 1)
- Rack and pinion mechanism
- Universal application (Fig 1, Fig 6 and Fig 61)
- Detachable and fixed adjustable slimline arms available
- Adjustable closing speed and latch action (latching action for Fig 1 & 61 only)
- Backcheck
- Delayed action optional (please specify when ordering)
- Supplied with slimline cover (AR5500 model only)
- Fixings for timber and metal doors

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1154:1997

Fig 1	4	8	5 2	1*	1	4
Fig 6	3	8	4 3	1*	1	4
Fig 61	4	8	4 2	1*	1	4



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPD-AD0239



**Certifire approved product:** Certificate CF295

#### CPR Declaration of Performance Certificate – HUK0005

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- AR5200 (matching arms):  
Silver
- AR5500 (matching arms):  
Silver, polished brass, polished chrome, satin nickel plated, satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR5200-SE</b>	Door closer	<b>SE</b>	87112570

<b>AR5500-L-SE/SE</b>	Door closer and matching arm (slimline cover)	<b>SE</b>	87113186
<b>AR5500-L-PB/PB</b>	Door closer and matching arm (slimline cover)	<b>PB</b>	87113130
<b>AR5500-L-PC/PC</b>	Door closer and matching arm (slimline cover)	<b>PC</b>	89002373
<b>AR5500-L-SNP/SNP</b>	Door closer and matching arm (slimline cover)	<b>SNP</b>	89002387
<b>AR5500-L-SSS/SSS-A2</b>	Door closer and matching arm (slimline cover)	<b>SSS</b>	89002394
<b>AR5500-HOA-SE</b>	Hold open arm only	<b>SE</b>	89001373



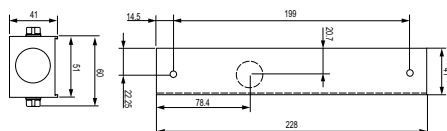
## ARRONE® AR8300 Series Door Closer

Power Size 2 – 5 Spring Adjustable

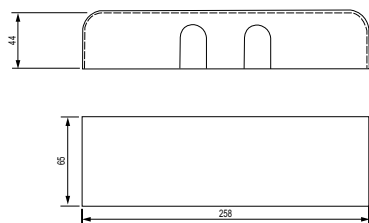
A high performance rack and pinion mechanism door closer combined with the elegant slimline metal cover, makes the AR8300 Series ideal for use on many high frequency doors in a public buildings such as hospitals, nursing homes, surgeries and schools along with other commercial applications where style, finish and performance are required.

### Features

- Suitable for use on doors up to 1250 mm wide/100 kg weight
  - High performance rack and pinion mechanism
  - Fixed adjustable flatform armset
  - Supplied with slimline metal cover
  - Delayed action optional (please specify when ordering)
  - Backcheck optional (max. power size 4)
  - Adjustable closing speed and latch action
  - Stand open arm (hold open arm) optional
- Please note:** when used with hold open arm, this is not suitable for fire doors
- Fixings for timber and metal doors
  - 304 and 316 cover available



Mechanism Dimensions



Cover Dimensions

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1154:1997

Fig 1 and Fig 61	3	8	5 2	1*	1	3
Fig 6	3	8	3	1*	1	3



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPD-AD0136



**Certifire approved product:** Certificate CF494

**CPR Declaration of Performance Certificate – HUK0028**

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Silver, polished brass, polished chrome, satin nickel plated, satin stainless steel

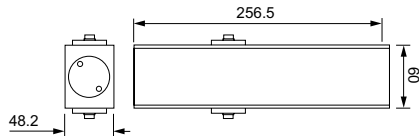
Product ref.	Article description	Finish	Article no.
<b>AR8300-L-SE/SE</b>	Door closer	<b>SE</b>	89000814
<b>AR8300-L-PB/PB</b>	Door closer	<b>PB</b>	89000828
<b>AR8300-L-PC/PC</b>	Door closer	<b>PC</b>	89000800
<b>AR8300-L-SNP/SNP</b>	Door closer	<b>SNP</b>	89000786
<b>AR8300-L-SSS/SSS-A2</b>	Door closer	<b>SSS</b>	89002744
<b>AR8300-L-SSS/SSS-A4</b>	Door closer	<b>SSS</b>	50001164



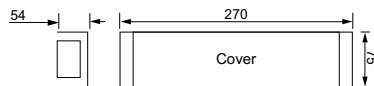
**AR9200**



**AR9500**



**AR9200**



**AR9500**

## ARRONE® AR9200 / AR9500 Series Door Closer

Power Size 2 – 6 Spring Adjustable

A powerful yet elegant locking closer designed to meet a wide range of applications. The slide cover gives easy access to the adjustment valves.

### Features

- Suitable for doors up to 1400 mm wide/120 kg weight (when fitted in Fig 1)
- Extruded aluminium body
- Slide cover (AR9200 model only)
- Rack and pinion mechanism
- Universal application (Fig 1, Fig 6)
- Backcheck
- Adjustable closing speed and latch action with thermo constant valves
- Slimline cover available with AR9500
- Fixings for timber and metal doors

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1154:1997

Fig 1	4	8	6 2	1*	1	3
Fig 6	4	8	5 2	1*	1	3



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPD-AD0162



**Certifire approved product:** Certificate CF295

**CPR Declaration of Performance Certificate – HUK0029**

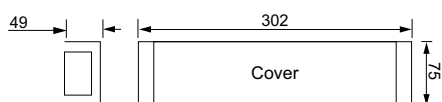
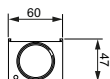
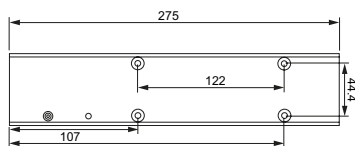
Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- AR9200: Silver
- AR9500: Silver, satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR9200-SE</b>	Door closer, silver body and arm	<b>SE</b>	87109286

<b>AR9500-D-SSS/SSS-A2</b>	Door closer, matching arm (slimline cover)	<b>SSS</b>	87109535
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## ARRONE® AR9300 Series Door Closer

### Power Size 1 – 6 Spring Adjustable

A door closer to meet the demands of heavy-duty applications in figure 1 (pull side), figure 6 (push side) and figure 61 (push side transom). Supplied complete for all options as standard. Highly suited for public buildings, hospitals, schools, theatres, sports centres, etc.

#### Features

- Suitable for doors up to 1400 mm wide/120 kg weight (when fitted in Fig 1 and Fig 61)
- Rack and pinion mechanism
- Universal application (Fig 1, Fig 6 and Fig 61)
- Backcheck optional
- Delayed action optional
- Available with slimline cover
- Adjustable flat form arm set
- Fixings for timber and metal doors
- 304 and 316 cover available

#### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1154:1997

Fig 1 & Fig 61	3	8	1 6	1*	1	3
Fig 6	3	8	1 5	1*	1	3



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPD-AD0087



**Certifire approved product:** Certificate CF497

#### CPR Declaration of Performance Certificate – HUK0056

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

#### Finish

- Satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR9300-L-SSS-A2</b>	Door closer	<b>SSS</b>	50001668
<b>AR9300-L-SSS-A4</b>	Door closer	<b>SSS</b>	50001675



## ARRONE® AR7383 Series Concealed Door Closer

Power Adjustable Size 2 – 4

This concealed overhead door closer combines a high cam action mechanism with the pleasing aesthetics of a slide track, making the AR7383 ideal for use on many high frequency doors in public buildings such as hospitals, nursing homes and schools along with other commercial applications where aesthetics and performance is required.

### Features

- Power adjustable size 2-4 in accordance with BS EN1154:1997
- Suitable for doors up to 1100 mm wide/80 kg weight
- High performance cam action mechanism
- Adjustable closing speed and latch action
- Slide track and guide arm supplied
- Supplied with timber and steel door fixings
- Suitable for use in regular and transom mounting
- Fully reversible
- Minimum door thickness 40 mm
- Slide track stop optional
- Hold open device optional (not suitable for fire doors)
- Intumescent kit available separately see p. 57

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1154:1997

3	8	4	1*	1	3
		2			



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes steel fire doors.\*



**CE marked:** Certificate 1121-CPD-AD5071



**Certifire approved product:** Certificate CF5181

**CPR Declaration of Performance Certificate – HUK0026**

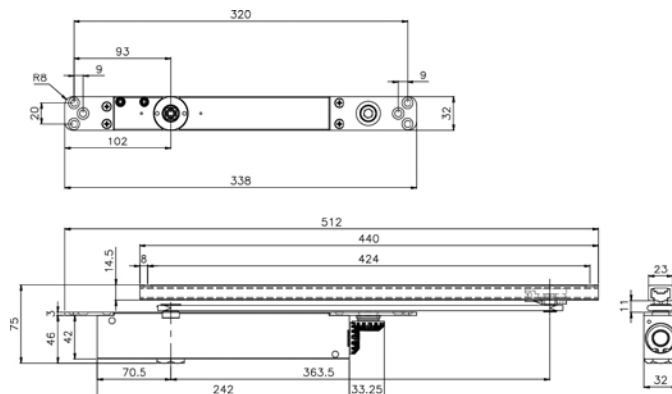
Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

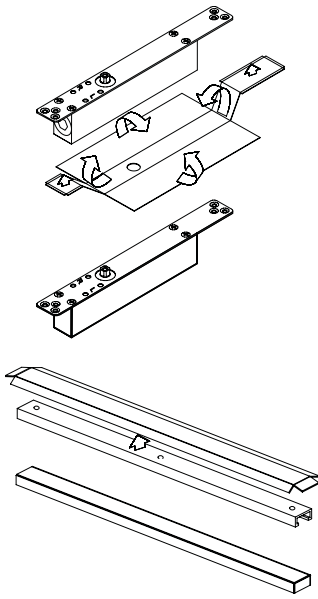
- Silver, satin nickel plated, polished chrome

\* The AR7383 concealed door closer 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 evidence it has gained, HOPPE takes no responsibility for any door closers purchased and fitted without sufficient intumescent protection.

Product ref.	Article description	Finish	Article no.
<b>AR7383-SE</b>	Concealed door closer incl. intumescent	<b>SE</b>	50002478
<b>AR7383-SE</b>	Concealed door closer (no intumescent)	<b>SE</b>	87141202
<b>AR7383-SNP</b>	Concealed door closer (no intumescent)	<b>SNP</b>	87141216
<b>AR7383-PC</b>	Concealed door closer (no intumescent)	<b>PC</b>	87141223
<b>AR7383-HOA-KIT</b>	Hold open kit		87141139







## ARRONE® Intumescent Kit

Intumescent Kit for AR7383 Concealed Door Closer

### Features

- Flat folded sheets
- When opened up, form a pocket to surround the concealed closer

### Standards and certification



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. For use on 30, 60, 90, and 120 minutes timber fire doors.

Product ref.	Article description	Article no.
<b>AR/INT-7383</b>	Intumescent Kit to suit AR7383	87141209



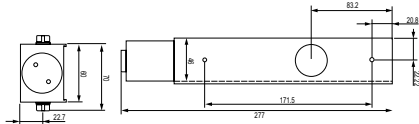
## ARRONE® AR1998 Series Electromagnetic Door Closer

Power Size 4

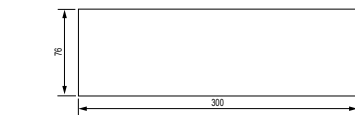
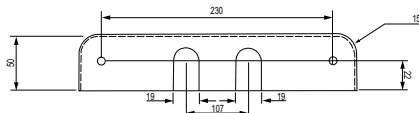
Ideal for use in hospitals, nursing and convalescent homes. Often used in conjunction with a detector/alarm system. When used in hold open or swing free application the door will automatically close upon the activation of the fire alarm or power failure.

### Features

- Suitable for use on timber doors up to 1100 mm wide/80 kg weight
- Hold open or swing free mode
- Platform arm
- Adjustable closing speed and latch action
- Fig 6 bracket supplied
- Extra length loops available to order
- Slimline metal cover
- 2 watt coil with 85 milliamp current draw, 24v DC
- 1 amp or 5 amp power supply supplied separately
- 2.5 mm solid core alarm cable recommended for buildings requiring up to 50 E-mag closers (up to a maximum of 50 metre length)
- Fixings for timber and metal doors



**Mechanism Dimensions**



**Cover Dimensions**

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1155:1997

Fig 1	3	8	4	1*	1	3
Fig 6	3	8	3	1*	1	3



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.\*



**CE marked:** Certificate 1121-CPD-AE0017



**Certifire approved product:** Certificate CF494

#### CPR Declaration of Performance Certificate – HUK0006

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Silver, polished brass, polished chrome, satin nickel plated, satin stainless steel



**Flush mount retaining magnet**



**Emergency break glass unit**

Product ref.	Article description	Finish	Article no.
<b>AR1998-L-SE/SE</b>	Electromagnetic door closer hold open/swing free	<b>SE</b>	89001045
<b>AR1998-L-PB/PB</b>	Electromagnetic door closer hold open/swing free	<b>PB</b>	89001087
<b>AR1998-L-PC/PC</b>	Electromagnetic door closer hold open/swing free	<b>PC</b>	89001073
<b>AR1998-L-SNP/SNP</b>	Electromagnetic door closer hold open/swing free	<b>SNP</b>	89001059
<b>AR1998-L-SSS/SSS-A2</b>	Electromagnetic door closer hold open/swing free	<b>SSS</b>	89002779
<b>AR/E-0501F-1B-Q-A2</b>	Flush mount retaining magnet.	<b>SSS</b>	50001139
<b>AR/E-REPLGLASS</b>	Emergency break glass unit		89002751

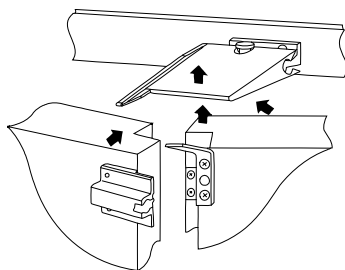
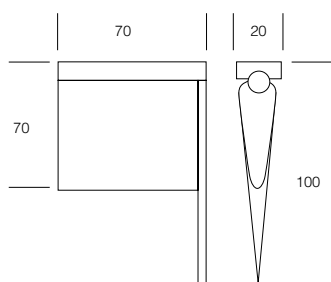
## ARRONE® AR226 Door Selector/Co-ordinator MK2

### Door Selector/Co-ordinator MK2


The ARRONE® door selector enables a pair of selfclosing doors with rebated meeting stiles to close in correct sequence automatically, no matter which door is opened first, maintaining the fire resistant seal.

#### Features


- Surface mounted easy fit
- Suitable for use with power size 3-5 door closers
- Suitable for use on timber doors of any width up to 1220 mm and all standard thicknesses
- Suitable for rebates up to 25 mm
- Extended arms available for special applications



#### Standards and certification

 **Quality and performance:** Successfully type tested in accordance with BS EN1158:1997

3	5	5	1*	1	3
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 **Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors.\*

#### CPR Declaration of Performance Certificate – FDC001

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

#### Finishes

- Silver, polished brass (plated), satin stainless steel (plated)

Product ref.	Article description	Finish	Article no.
<b>AR226/MKII-SE</b>	Door selector	<b>SE</b>	87102975

<b>AR/E-0501F-1D-Q</b>	Surface mount retaining magnet	<b>SSS</b>	50001140
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black



red



white

## Dorgard

### Fire Safety Devices

Wedging open fire doors is illegal and dangerous. Dorgard provides a simple solution for legally holding open fire doors, this will automatically close the door when the fire alarm sounds.

#### Features

- Wireless unit with fail-to-safe technology
- Improves access throughout buildings inline with recommendations contained within BS8300
- Available in a variety of colours and finishes
- Automatic night-time release facility
- Adjustable sensitivity

As with all fire safety devices, a Fire Risk Assessment should be carried out prior to installation.

#### How does Dorgard work?

- Once installed, Dorgard works by listening out for a continuous sound of 65 decibels or higher.
- Once this sound has been identified, after approximately 14 seconds Dorgard will release the fire door and under the pressure of the overhead door closer the door will close, sealing the area and preventing the spread of smoke and fire.
- As Dorgard is wireless it requires no wiring into the building's main fire alarm system meaning that disruption during installation is minimal and fast.
- When Dorgard is holding a fire door open, it "listens" for the continuous sound of a fire alarm. Dorgard needs to "hear" a fire alarm that exceeds 65 decibels for longer than 14 seconds. At a general noise level of 80 decibels Dorgard will release. This facility has been built into the unit as a safety feature. Should the noise level in your premises exceed 80 decibels it is unlikely that you would hear a 65 decibel alarm, therefore the Dorgard releases the fire door to close.
- Unlike electro-magnetic retainers (EMR),
- Dorgard requires no wiring as it is battery operated and self-contained. Installation is easy, quick and non-disruptive. It is affixed to your fire door with four screws and takes approximately 5 minutes to install.
- Once you have inserted two batteries (supplied). Dorgard is ready for duty.

#### Standards and certification



**Fire safety:** Complies with BS EN 1155 and accepted by the Fire and Rescue Services



**CE marked**

**CPR Declaration of Performance Certificate – 305/2011**

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

#### Finishes

- Black, red, white

Product ref.	Article description	Finish	Article no.
<b>AR/E-DG2000-B</b>	Dorgard acoustic battery operating retaining device	<b>Black</b>	87133553
<b>AR/E-DG2000-R</b>	Dorgard acoustic battery operating retaining device	<b>Red</b>	87133560
<b>AR/E-DG2000-W</b>	Dorgard acoustic battery operating retaining device	<b>White</b>	87133567



## ARRONE® AR2950 Series Floor Spring

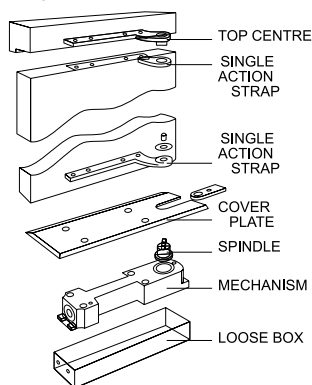
Floor Spring size  
(single & double action)

The AR2950 series floor spring, available in both single and double cam action, is designed for heavy traffic, public and commercial doors, where conventional overhead door closers are not suitable.

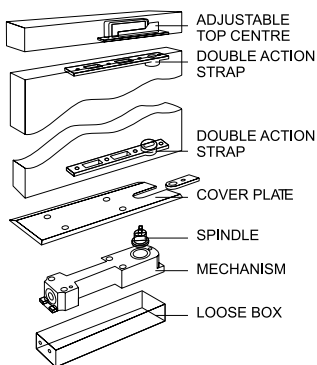
### Features

- Adjustable power size 1-4
- Suitable for single or double swing action doors
- Suitable for timber and metal doors
- Suitable for doors measuring max. door width 1100 mm
- Maximum door weight 400kg
- Maximum opening angle 180° for single action, 360° for double action
- Adjustable closing and latching speed
- Closing speed adjustment range: 180°
- Stand open: available separately as a different floor spring (mod. 2952)

### Single Action



### Double Action



### Standards and certification



**Quality and performance:** Successfully type tested for conformity to all the requirements of BS EN1154:1996:A1:2002

3	8	4 3	1*	1	3
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30 and 60 minutes timber fire doors and 240 minutes on steel fire doors. Steel door fire evidence only for single doors.\*



**CE marked:** Certificate available upon request.



**Certifire approved product:** Certificate CF155

**CPR Declaration of Performance Certificate – HUK0062**

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Accessories

- Gel protection pack for wet area applications available on request
- Other pivots sizes available on request

### Finish

- Satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR2950M</b>	Universal floor spring mechanism only	<b>SSS</b>	8510325
<b>AR2950-SA-SSS</b>	Single action accessory pack	<b>SSS</b>	8510367
<b>AR2950-DA-SSS</b>	Double action accessory pack	<b>SSS</b>	8510297
<b>AR2950-SSS</b>	Universal cover plate t/s AR2950	<b>SSS</b>	8510423
<b>AR2950-ACC-SA-SSS</b>	Single action accessory pack t/s AR2950	<b>SSS</b>	87100432
<b>AR2950-ACC-DA-SSS</b>	Double action accessory pack t/s AR2950	<b>SSS</b>	87100435

<b>ARGEL</b>	Gel infill pack / for wet area	8561621
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<b>AR2950-SA-SSS-ESO</b>	Electromagnetic single action floor spring / complete set	<b>SSS</b>	on request
<b>AR2950-DA-SSS-ESO</b>	Electromagnetic double action floor spring / complete set	<b>SSS</b>	on request



## ARRONE® AR700 Series Floor Spring

Floor Spring size 3 & 4  
(single & double action)

The AR700 series floor spring is designed for heavier traffic, public and commercial doors, where conventional overhead door closers are not suitable. Ideal for thin slab applications due to its low profile cement case and where floor screed depth is limited.

### Features

- Fixed power size 3 and 4 mechanisms to suit low, medium and heavy frequency use
- Suitable for single or double swing action doors
- Suitable for timber and metal doors
- Suitable for doors measuring up to 950 mm (size 3) and 1100 mm (size 4)
- Maximum door weight **100 kg**
- Maximum opening angle 130 degrees
- Adjustable closing and latching speed

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1154:1997



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30 and 60 minutes timber fire doors and 120 minutes on steel fire doors.



**CE marked:** Certificate: 1121-CPR-AD0314 – Size 3

Certificate: 1121-CPR-AD0287 – Size 4



**Certifire approved product:** Certificate CF5029

**CPR Declaration of Performance Certificate – HUK0002/3**

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

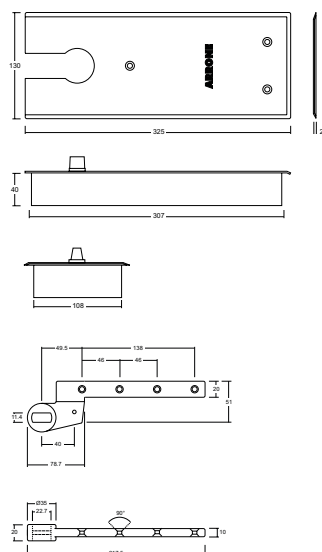
### Accessories

- Gel protection pack for wet area applications available on request
- Other pivots available on request

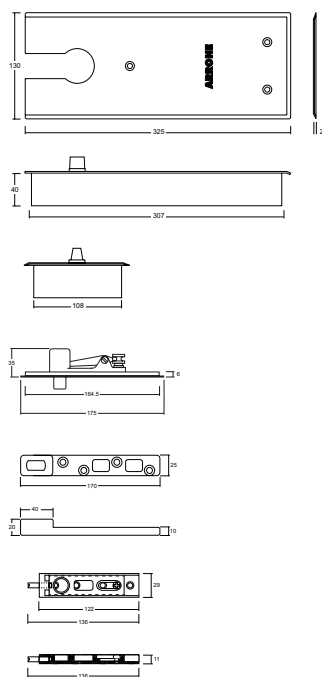
### Finish

- Satin stainless steel

### Single Action



### Double Action



Product ref.	Article description	Finish	Article no.
<b>AR700-3-SA-SSS</b>	Single action size 3 floor spring	<b>SSS</b>	87135126
<b>AR700-3-DA-SSS</b>	Double action size 3 floor spring	<b>SSS</b>	87135147
<b>AR700-4-SA-SSS</b>	Single action size 4 floor spring	<b>SSS</b>	87135168
<b>AR700-4-DA-SSS</b>	Double action size 4 floor spring	<b>SSS</b>	87135189

<b>AR/INT-700-SA</b>	Intumescent pack t/s AR700 floor spring, single action	87138206
<b>AR/INT-700-DA</b>	Intumescent pack t/s AR700 floor spring, double action	87138213

<b>ARGEL</b>	Gel infill pack / for wet area	8561621
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	Max Size 3 (Light Duty)	Max Size 4 (Medium Duty)
<b>Product Reference</b>	<b>AR700-3</b>	<b>AR700-4</b>
<b>Product Type</b>	Floor Spring	Floor Spring
<b>Power Size</b>	3	4
<b>Power Adjustment Method</b>	Fixed	Fixed
<b>Min/Max Door Width</b>	950 mm	1100 mm
<b>Min/Max Door Weight</b>	100 kgs	100 kgs
<b>Mechanism Type</b>	Cam	Cam
<b>Adjustable Closing Speed</b>	Yes	Yes
<b>Backcheck</b>	No	No
<b>Delayed Action</b>	No	No
<b>Adjustable Latch Action</b>	Yes	Yes
<b>CPR Declaration of Performance</b>	HUK0002	HUK0003
<b>Timber Door Fire Rating to BS EN1634-1</b>	Yes – 30, 60 & 120 minutes	Yes – 30, 60 & 120 minutes
<b>Metal Door Fire Rating to BS EN1634-1</b>	Yes – 240 minutes	Yes – 240 minutes
<b>Tested to BS EN1154/BS EN1155 Classification</b>	3 8 3 1* 1 3	3 8 4 1* 1 3
<b>Maximum Opening Angle</b>	130°	130°
<b>Single Action Door Suitability</b>	Yes	Yes
<b>Double Action Door Suitability</b>	Yes	Yes
<b>Stand Open</b>	Optional	Optional
<b>Gel Infill Pack Available</b>	Yes	Yes
<b>CE Marked</b>	Yes – Certificate AD0314	Yes – Certificate AD0287
<b>Certifire</b>	Yes – Certificate CF5029	Yes – Certificate CF5029
<b>Cover and Accessories Finishes</b>	SSS	SSS



## ARRONE® Floor Pivot

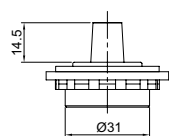
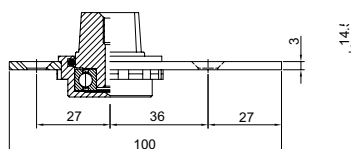
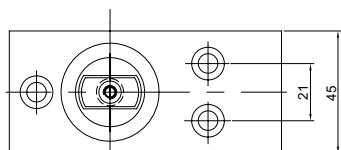
Max. door weight 100 kg

### Finish

- Satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR700-P-SSS</b>	Floor pivot	<b>SSS</b>	89001470

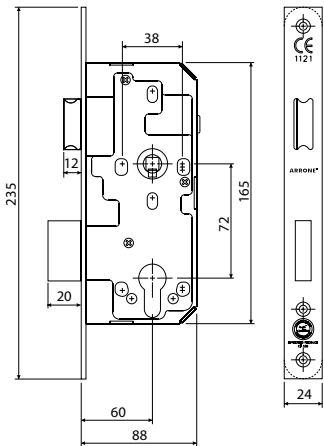
<b>AR700-ACC-DA-SSS</b>	Double action accessory pack	<b>SSS</b>	87120587
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4



## ARRONE® Euro Profile Commercial Grade Mortice Sashlock Case

### Features

- Case: mild steel/black powder coated finish, pierced to accept bolt through furniture and escutcheons with 38 mm centres
- Backset: 60 mm (other sizes to order)
- Centres: 72 mm
- Follower: 8 mm zinc alloy follower (high copper content for additional strength) with spindle gripping feature
- Latchbolt: nickel plated solid brass guided latchbolt, easily reversible without opening case
- Deadbolt: zinc alloy single throw with 20 mm projection (high copper content for additional strength)
- Forend and striking plates available square or radius
- Satin/polished stainless steel or polished brass forend and striking plate
- Suitable for sprung and most unsprung lever furniture
- Lock with 20 mm wide forend available on request
- 316 forend and striking plates available on request

### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN12209:2003

3	X	8	1*	0	G	4	B	A	3	0
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPR-AG0067



**Certifire approved product:** Certificate CF530

#### CPR Declaration of Performance Certificate – HUK0007

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, polished stainless steel, polished brass

Product ref.	Article description	Finish	Article no.
<b>AR910-S-60-SSS-A2</b>	Mortice sashlock case (square forend).	<b>SSS</b>	50000883
<b>AR910-S-60-PSS-A2</b>	Mortice sashlock case (square forend)	<b>PSS</b>	87107854
<b>AR910-S-60-PB</b>	Mortice sashlock case (square forend)	<b>PB</b>	87107855

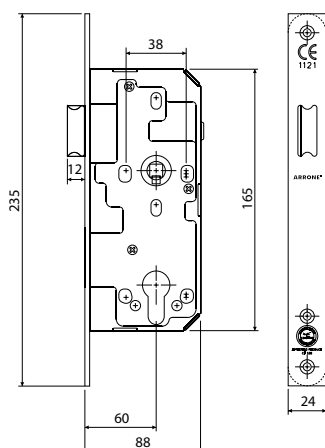
<b>AR910-R-60-SSS-A2</b>	Mortice sashlock case (radiused forend)	<b>SSS</b>	89001897
<b>AR910-R-60-PSS-A2</b>	Mortice sashlock case (radiused forend)	<b>PSS</b>	87107857
<b>AR910-R-60-PB</b>	Mortice sashlock case (radiused forend)	<b>PB</b>	87107858

<b>AR91/81-S-13-SSS-A2</b>	13 mm rebate set for square forend locks	<b>SSS</b>	87107889
<b>AR91/81-S-13-PB</b>	13 mm rebate set for square forend locks	<b>PB</b>	87108045

### Spare fixings Intumescent Pack

<b>AR900/8100-FP/SD</b>	Mortice lock metal door fixing pack	<b>SSS</b>	7204710
<b>AR/INT-DIN-LOCKS</b>	To suit 72 mm lock range, 60 mm backset		87134490

Also available in 55 backset



## ARRONE® Euro Profile Commercial Grade Mortice Latch Case

### Features

- Case: mild steel/black powder coated finish, pierced to accept bolt through furniture and escutcheons with 38 mm centres
- Backset: 60 mm (other sizes to order)
- Follower: 8 mm zinc alloy follower (high copper content for additional strength) with spindle gripping feature
- Latchbolt: nickel plated solid brass guided latchbolt, easily reversible without opening case
- Forend and striking plates available square or radius
- Satin/polished stainless steel or polished brass forend and striking plate
- Suitable for sprung and most unsprung lever furniture
- Latch with 20 mm wide forend available on request
- 316 forend and striking plates available on request

### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN12209:2003

3	X	8	1*	0	G	-	B	0	3	0
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPR-AG0067



**Certifire approved product:** Certificate CF530

**CPR Declaration of Performance Certificate – HUK0009**

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, polished stainless steel, polished brass

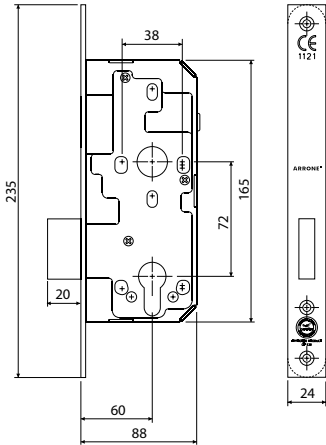
Product ref.	Article description	Finish	Article no.
<b>AR911-S-60-SSS-A2</b>	Mortice latch case (square forend).	<b>SSS</b>	50000962
<b>AR911-S-60-PSS-A2</b>	Mortice latch case (square forend)	<b>PSS</b>	87107860
<b>AR911-S-60-PB</b>	Mortice latch case (square forend)	<b>PB</b>	87107861

<b>AR911-R-60-SSS-A2</b>	Mortice latch case (radiused forend)	<b>SSS</b>	89001904
<b>AR911-R-60-PSS-A2</b>	Mortice latch case (radiused forend)	<b>PSS</b>	87107863
<b>AR911-R-60-PB</b>	Mortice latch case (radiused forend)	<b>PB</b>	87107864

<b>AR91/81-S-13-SSS-A2</b>	13 mm rebate set for square forend locks	<b>SSS</b>	87107889
<b>AR91/81-S-13-PB</b>	13 mm rebate set for square forend locks	<b>PB</b>	87108045

### Spare fixings Intumescent Pack

<b>AR900/8100-FP/SD</b>	Mortice lock metal door fixing pack	<b>SSS</b>	7204710
<b>AR/INT-DIN-LOCKS</b>	To suit 72 mm lock range, 60 mm backset		87134490



## ARRONE® Euro Profile Commercial Grade Mortice Deadlock Case

### Features

- Case: mild steel/black powder coated finish, pierced to accept bolt through escutcheons with 38 mm centres
- Backset: 60 mm (other sizes to order)
- Deadbolt: zinc alloy single throw with 20 mm projection (high copper content for additional strength)
- Forend and striking plates available square or radius
- Satin/polished stainless steel or polished brass forend and striking plate
- 316 forend and striking plates available on request

### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN12209:2003

3	X	8	1*	0	G	4	B	A	0	0
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPR-AG0068



**Certifire approved product:** Certificate CF530

**CPR Declaration of Performance Certificate – HUK0008**

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, polished stainless steel, polished brass

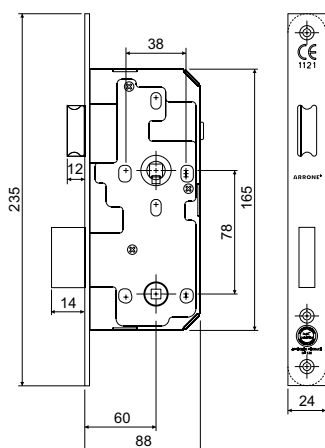
Product ref.	Article description	Finish	Article no.
<b>AR912-S-60-SSS-A2</b>	Mortice deadlock case (square forend).	<b>SSS</b>	50000901
<b>AR912-S-60-PSS-A2</b>	Mortice deadlock case (square forend)	<b>PSS</b>	87107866
<b>AR912-S-60-PB</b>	Mortice deadlock case (square forend)	<b>PB</b>	87107867

<b>AR912-R-60-SSS-A2</b>	Mortice deadlock case (radiused forend)	<b>SSS</b>	89001911
<b>AR912-R-60-PSS-A2</b>	Mortice deadlock case (radiused forend)	<b>PSS</b>	87107869
<b>AR912-R-60-PB</b>	Mortice deadlock case (radiused forend)	<b>PB</b>	87107870

<b>AR91/81-S-13-SSS-A2</b>	13 mm rebate set for square forend locks	<b>SSS</b>	87107889
<b>AR91/81-S-13-PB</b>	13 mm rebate set for square forend locks	<b>PB</b>	87108045

### Spare fixings Intumescent Pack

<b>AR900/8100-FP/SD</b>	Mortice lock metal door fixing pack	<b>SSS</b>	7204710
<b>AR/INT-DIN-LOCKS</b>	To suit 72 mm lock range, 60 mm backset		87134490



## ARRONE® Commercial Grade Mortice Bathroom Lock

### Features

- Case: mild steel/black powder coated finish, pierced to accept bolt through furniture and escutcheons with 38 mm centres
- Backset: 60 mm (other sizes to order)
- Centres: 78 mm
- Follower: 8 mm zinc alloy follower (high copper content for additional strength) with spindle gripping feature
- Latchbolt: nickel plated solid brass guided latchbolt, easily reversible without opening case
- Also supplied with 5 mm spindle sleeve for 5 mm turn spindles
- Deadbolt: zinc alloy single throw with 14 mm projection (high copper content for additional strength)
- Forend and striking plates available square or radius
- Satin/polished stainless steel or polished brass forend and striking plate
- Suitable for sprung and most unsprung lever furniture
- Lock with 20 mm wide forend available on request
- 316 forend and striking plates available on request

### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN12209:2003

3	X	8	1*	0	G	-	B	0	3	0
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPR-AG0067



**Certifire approved product:** Certificate CF530

#### CPR Declaration of Performance Certificate – HUK0010

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

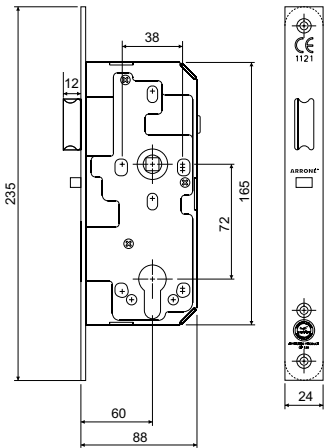
- Satin stainless steel, polished stainless steel, polished brass

Product ref.	Article description	Finish	Article no.
<b>AR913-S-60-SSS-A2</b>	Mortice bathroom lock (square forend).	<b>SSS</b>	50000895
<b>AR913-S-60-PSS-A2</b>	Mortice bathroom lock (square forend)	<b>PSS</b>	87107872
<b>AR913-S-60-PB</b>	Mortice bathroom lock (square forend)	<b>PB</b>	87107873

<b>AR913-R-60-SSS-A2</b>	Mortice bathroom lock (radiused forend)	<b>SSS</b>	89001918
<b>AR913-R-60-PSS-A2</b>	Mortice bathroom lock (radiused forend)	<b>PSS</b>	87107875
<b>AR913-R-60-PB</b>	Mortice bathroom lock (radiused forend)	<b>PB</b>	87107876

### Spare fixings Intumescent Pack

<b>AR900/8100-FP/SD</b>	Mortice lock metal door fixing pack	<b>SSS</b>	7204710
<b>AR/INT-DIN-LOCKS</b>	To suit 72 mm lock range, 60 mm backset		87134490



## ARRONE® Euro Profile Commercial Grade Mortice Anti Thrust Nightlatch Case

### Features

- Case: mild steel/black powder coated finish, pierced to accept bolt through furniture and escutcheons with 38 mm centres
- Backset: 60 mm (other sizes to order)
- Centres: 72 mm
- Follower: 8 mm zinc alloy follower (high copper content for additional strength) with spindle gripping feature
- Latchbolt: nickel plated solid brass guided latchbolt, easily reversible without opening case
- Latchbolt withdrawn by lever handle or key
- Forend and striking plates available square or radius
- Satin/polished stainless steel or polished brass forend and striking plate
- Suitable for sprung and most unsprung lever furniture
- 316 forend and striking plates available on request

### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN12209:2003

3	X	8	1*	0	G	-	B	0	3	0
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPR-AG0067



**Certifire approved product:** Certificate CF530

**CPR Declaration of Performance Certificates – HUK0011 and HUK0052**

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, polished stainless steel, polished brass

Product ref.	Article description	Finish	Article no.
<b>AR914-S-60-SSS-A2</b>	Mortice nightlatch case (square forend).	<b>SSS</b>	89002632
<b>AR914-S-60-PSS-A2</b>	Mortice nightlatch case (square forend)	<b>PSS</b>	87107878
<b>AR914-S-60-PB</b>	Mortice nightlatch case (square forend)	<b>PB</b>	87107879

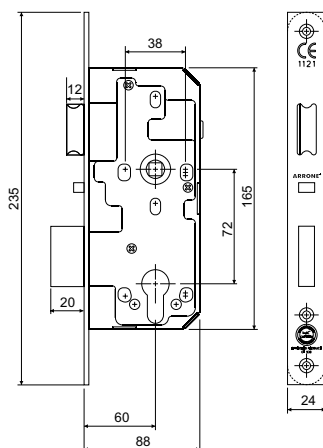
<b>AR914-R-60-SSS-A2</b>	Mortice nightlatch case (radiused forend)	<b>SSS</b>	89001925
<b>AR914-R-60-PSS-A2</b>	Mortice nightlatch case (radiused forend)	<b>PSS</b>	87107881
<b>AR914-R-60-PB</b>	Mortice nightlatch case (radiused forend)	<b>PB</b>	87107882

<b>AR91/81-S-13-SSS-A2</b>	13 mm rebate set for square forend locks	<b>SSS</b>	87107889
<b>AR91/81-S-13-PB</b>	13 mm rebate set for square forend locks	<b>PB</b>	87108045

### Spare fixings

#### Intumescent Pack

<b>AR900/8100-FP/SD</b>	Mortice lock metal door fixing pack	<b>SSS</b>	7204710
<b>AR/INT-DIN-LOCKS</b>	To suit 72 mm lock range, 60 mm backset		87134490



**HOPPE and ARRONE® door furniture suitable for use with ARRONE® AR915 Series 72 mm escape lock \***

**HOPPE Stainless Steel Sets, connection fixed/movable (RF):**  
E138F and E138Z Series (Paris)  
E1138Z Series (Marseille)

**ARRONE® Stainless Steel**  
AR361 Series (Paris)

All of these products have been either tested with or assessed for use with the AR915 ARRONE® Escape Lock and are listed in test reports/evidence.

**Half Spindle to suit:**  
AR228F-44 (50001644)  
AR228F-54 (50001656)

**Fixing Plate:**  
AR914/615-HS-PLATE (87137401)

## ARRONE® Euro Profile Commercial Grade Mortice Escape Lock Case

Suitable for timber and steel doors hinged on either the right or left which require key operation externally with a single action escape function internally

### Features

- Case: mild steel/black powder coated finish, pierced to accept bolt through furniture and escutcheons with 38 mm centres, backset 60 mm, centres 72 mm
- Follower: 8 mm split follower with self locating plate to allow easy reversibility of the escape function. Follower made from sintered steel for additional strength and durability
- Latchbolt: nickel plated solid brass guided latchbolt, easily reversible without opening case
- Deadbolt: zinc alloy single throw with 20 mm projection (high copper content for additional strength)
- Forend and bevelled striking plates (for smooth operation) available square or radius
- Satin/polished stainless steel or polished brass forend and striking plate
- Supplied with AR228A (100 mm) and AR228B (120 mm) split spindles for 30 mins and 1 hour timber fire doors and 4 hour steel doors.

### Operation

- Anti-thrust feature means latchbolt is automatically deadlocked when door is closed, preventing card leverage
- Latch withdrawn by lever or key from outside
- Latchbolt withdrawn by internal lever handle
- Deadbolt and latchbolt withdrawn simultaneously by internal lever handle
- Deadbolt withdrawn by cylinder key from outside
- Escape mechanism easily reversed by moving self locating follower plate (no screws to be removed)

### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN179:2008

3	7	6	B	1	4	4	1	A	B
3	7	6	B	1	4	4	1	A	D

To satisfy BS EN179 this Escape Lock should only be fitted with the lever handles listed on this page to ensure compatibility with this standard



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPR-ABB010 (BS EN 179)

**CE marked:** Certificate 1121-CPR-AG0067



**Certifire approved product:** Certificate CF530

**CPR Declaration of Performance Certificates – HUK0012 and HUK0035**

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, polished stainless steel, polished brass

Product ref.	Article description	Finish	Article no.
<b>AR915-S-60-SSS-A2</b>	Mortice escape lock (square forend).	<b>SSS</b>	89002625
<b>AR915-S-60-PSS-A2</b>	Mortice escape lock (square forend)	<b>PSS</b>	87107884
<b>AR915-S-60-PB</b>	Mortice escape lock (square forend)	<b>PB</b>	87107885

<b>AR915-R-60-SSS-A2</b>	Mortice escape lock (radiused forend)	<b>SSS</b>	89001932
<b>AR915-R-60-PSS-A2</b>	Mortice escape lock (radiused forend)	<b>PSS</b>	87107887
<b>AR915-R-60-PB</b>	Mortice escape lock (radiused forend)	<b>PB</b>	87107888

<b>AR91/81-S-13-SSS-A2</b>	13 mm rebate set for square forend locks	<b>SSS</b>	87107889
<b>AR91/81-S-13-PB</b>	13 mm rebate set for square forend locks	<b>PB</b>	87108045

### Intumescent Pack

<b>AR/INT-DIN-LOCKS</b>	To suit 72 mm lock range, 60 mm backset	87134490
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## ARRONE® Euro Profile Commercial Grade Mortice Rollerbolt Lock Case

### Features

- Case: mild steel/black powder coated finish, pierced to accept bolt through furniture and escutcheons with 38 mm centres
- Backset: 60 mm (other sizes to order)
- Centres: 72 mm
- Adjustable rollerbolt: nickel plated solid brass guided rollerbolt
- Deadbolt: zinc alloy single throw with 20 mm projection (high copper content for additional strength)
- Double lipped rollerbolt strikes available separately
- Forend and striking plates available square or radius
- Satin stainless steel forend and striking plate

### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN12209:2003

3	C	8	1*	0	F	2	B	A	0	0
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#### Fire safety:

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

Assessed for use on 30 minutes and 1 hour timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPD-AG0247



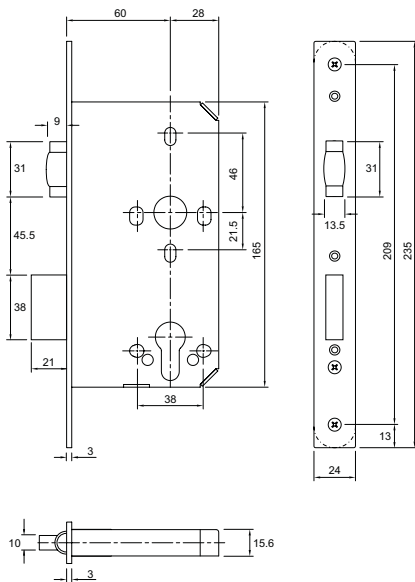
**Certifire approved product:** Certificate CF530

#### CPR Declaration of Performance Certificate – HUK0013

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finish

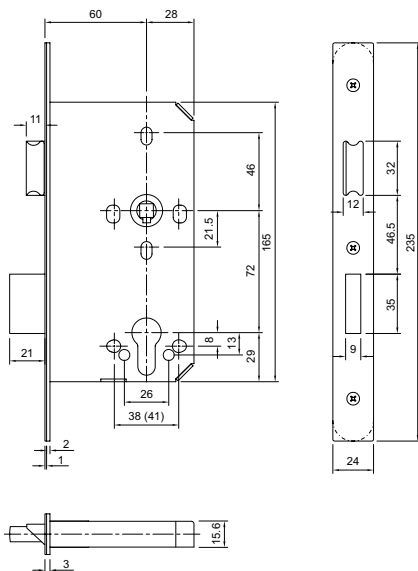
- Satin stainless steel



### Spare fixings Intumescent Pack

Product ref.	Article description	Finish	Article no.
<b>AR916-S-60-SSS-A2</b>	Mortice rollerbolt lock case (square forend)	<b>SSS</b>	89001457
<b>AR916-R-60-SSS-A2</b>	Mortice rollerbolt lock case (radiused forend)	<b>SSS</b>	89001939
<b>AR916-DL-Strike-S-SSS-A2</b>	Double lipped strike plate (square)	<b>SSS</b>	89002009
<b>AR900/8100-FP/SD</b>	Mortice lock metal door fixing pack	<b>SSS</b>	7204710
<b>AR/INT-DIN-LOCKS</b>	To suit 72 mm lock range, 60 mm backset		87134490





**Spare fixings**  
**Intumescent Pack**

## ARRONE® Euro Profile Mortice Sashlock Case

### Features

- Backset: 60 mm
- Centres: 72 mm
- Follower: 8 mm with spindle gripping feature
- Latchbolt: brass guided latchbolt, easily reversible without opening case
- Deadbolt: zinc deadbolt, double throw (21 mm projection)
- Forend and striking plates available square or radius
- Satin/polished stainless steel or polished brass finish forends and striking plates
- Suitable for sprung and most unsprung lever furniture
- Pierced to accept bolt through furniture and escutcheons at 38 mm centres

### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN12209:2003

3	M	8	1*	0	G	3	B	C	2	0
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#### Fire safety:

Assessed to BS EN1634 Part 1.

Suitable for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPR-AG0087



**Certifire approved product:** Certificate CF5022

#### CPR Declaration of Performance Certificate – HUK0030

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, polished stainless steel, polished brass, antique brass

Product ref.	Article description	Finish	Article no.
<b>AR8100-S-60-SSS-A2</b>	Mortice sashlock case (square forend).	<b>SSS</b>	50000858
<b>AR8100-S-60-PSS-A2</b>	Mortice sashlock case (square forend)	<b>PSS</b>	87134287
<b>AR8100-S-60-PB</b>	Mortice sashlock case (square forend)	<b>PB</b>	87134280
<b>AR8100-S-60-ABR</b>	Mortice sashlock case (square forend)	<b>AB</b>	89001974

<b>AR91/81-S-13-SSS-A2</b>	13 mm rebate set for square forend locks	<b>SSS</b>	87107889
<b>AR91/81-S-13-PB</b>	13 mm rebate set for square forend locks	<b>PB</b>	87108045

<b>AR900/8100-FP/SD</b>	Mortice lock metal door fixing pack	<b>SSS</b>	7204710
<b>AR/INT-DIN-LOCKS</b>	To suit 72 mm lock range, 60 mm backset		87134490



## ARRONE® Euro Profile Mortice Latch Case

### Features

- Backset: 60 mm
- Follower: 8 mm follower with spindle gripping feature
- Latchbolt: brass guided latchbolt, easily reversible without opening case
- Forend and striking plates available square or radius
- Satin/polished stainless steel or polished brass finish forends and striking plates
- Suitable for sprung and most unsprung lever furniture
- Pierced to accept bolt through furniture and escutcheons at 38 mm centres

### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN12209:2003

3	M	8	1*	0	G	-	B	0	2	0
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**Fire safety:** Assessed to BS EN1634 Part 1. Suitable for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPR-AG0087



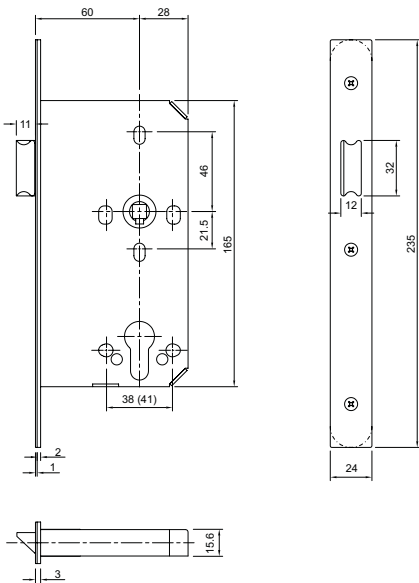
**Certifire approved product:** Certificate CF5022

#### CPR Declaration of Performance Certificate – HUK0032

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, polished stainless steel, polished brass, antique brass



**Spare fixings**  
**Intumescent Pack**

Product ref.	Article description	Finish	Article no.
<b>AR8101-S-60-SSS-A2</b>	Mortice latch case (square forend).	<b>SSS</b>	50000974
<b>AR8101-S-60-PSS-A2</b>	Mortice latch case (square forend)	<b>PSS</b>	87134315
<b>AR8101-S-60-PB</b>	Mortice latch case (square forend)	<b>PB</b>	87134322
<b>AR8101-S-60-ABR</b>	Mortice latch case (square forend)	<b>AB</b>	89002765

<b>AR91/81-S-13-SSS-A2</b>	13 mm rebate set for square forend locks	<b>SSS</b>	87107889
<b>AR91/81-S-13-PB</b>	13 mm rebate set for square forend locks	<b>PB</b>	87108045

<b>AR900/8100-FP/SD</b>	Mortice lock metal door fixing pack	<b>SSS</b>	7204710
<b>AR/INT-DIN-LOCKS</b>	To suit 72 mm lock range, 60 mm backset		87134490

## ARRONE® Euro Profile Mortice Deadlock Case



### Features

- Backset: 60 mm
- Deadbolt: zinc deadbolt, double throw (21 mm projection)
- Forend and striking plates available square or radius
- Satin/polished stainless steel or polished brass finish forends and striking plates
- Pierced to accept bolt through furniture and escutcheons at 38 mm centres

### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN12209:2003

3	M	8	1*	0	G	3	B	C	0	0
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**Fire safety:** Assessed to BS EN1634 Part 1. Suitable for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPR-AG0088



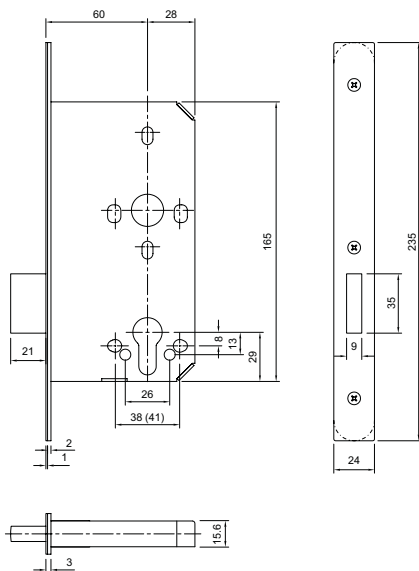
**Certifire approved product:** Certificate CF5022

#### CPR Declaration of Performance Certificate – HUK0031

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, polished stainless steel, polished brass, antique brass

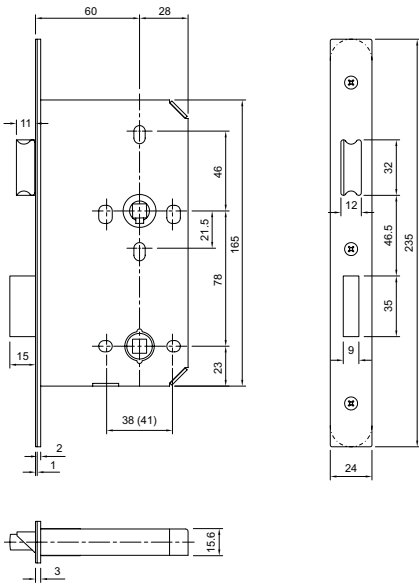


### Spare fixings Intumescent Pack

Product ref.	Article description	Finish	Article no.
<b>AR8102-S-60-SSS-A2</b>	Mortice deadlock case (square forend).	<b>SSS</b>	50000871
<b>AR8102-S-60-PSS-A2</b>	Mortice deadlock case (square forend)	<b>PSS</b>	87134357
<b>AR8102-S-60-PB</b>	Mortice deadlock case (square forend)	<b>PB</b>	87134364
<b>AR8102-S-60-ABR</b>	Mortice deadlock case (square forend)	<b>AB</b>	89002646

<b>AR91/81-S-13-SSS-A2</b>	13 mm rebate set for square forend locks	<b>SSS</b>	87107889
<b>AR91/81-S-13-PB</b>	13 mm rebate set for square forend locks	<b>PB</b>	87108045

<b>AR900/8100-FP/SD</b>	Mortice lock metal door fixing pack	<b>SSS</b>	7204710
<b>AR/INT-DIN-LOCKS</b>	To suit 72 mm lock range, 60 mm backset		87134490



## ARRONE® Mortice Bathroom Lock

### Features

- Backset: 60 mm
- Centres: 78 mm
- Follower: 8 mm follower with spindle gripping feature
- Also supplied with a 5 mm spindle sleeve (suitable for 8 mm and 5 mm turn spindles)
- Latchbolt: brass guided latchbolt easily reversible without opening case
- Deadbolt: zinc deadbolt, single throw (15 mm projection)
- Forend and striking plates available square or radius
- Satin/polished stainless steel or polished brass finish forends and striking plates
- Suitable for sprung and most unsprung lever furniture
- Pierced to accept bolt through furniture and escutcheons at 38 mm centres

### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN12209:2003

3	M	8	1*	0	G	-	B	0	2	0
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**Fire safety:** Assessed to BS EN1634 Part 1. Suitable for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPR-AG0087



**Certifire approved product:** Certificate CF5022

#### CPR Declaration of Performance Certificate – HUK0033

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

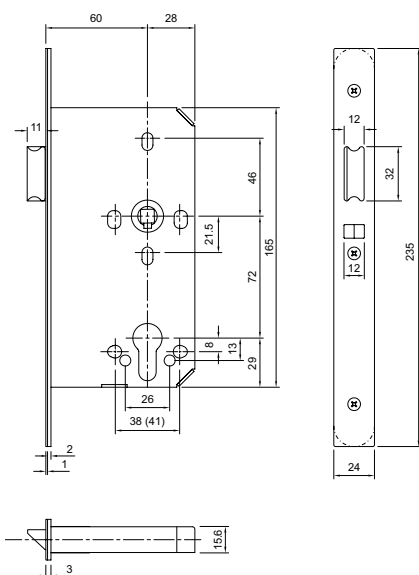
- Satin stainless steel, polished stainless steel, polished brass, antique brass

Product ref.	Article description	Finish	Article no.
<b>AR8103-S-60-SSS-A2</b>	Mortice bathroom lock (square forend).	<b>SSS</b>	50000865
<b>AR8103-S-60-PSS-A2</b>	Mortice bathroom lock (square forend)	<b>PSS</b>	87134399
<b>AR8103-S-60-PB</b>	Mortice bathroom lock (square forend)	<b>PB</b>	87134406
<b>AR8103-S-60-ABR</b>	Mortice bathroom lock (square forend)	<b>AB</b>	89002772

### Spare fixings

#### Intumescent Pack

<b>AR900/8100-FP/SD</b>	Mortice lock metal door fixing pack	<b>SSS</b>	7204710
<b>AR/INT-DIN-LOCKS</b>	To suit 72 mm lock range, 60 mm backset		87134490



**Spare fixings**  
**Intumescent Pack**

## ARRONE® Euro Profile Mortice Nightlatch Case

### Features

- Backset: 60 mm
- Centres: 72 mm
- Follower: 8 mm follower with spindle gripping feature
- Latchbolt: brass guided latchbolt easily reversible without opening case, operated by lever handle or key
- Forend and striking plates available square or radius
- Satin/polished stainless steel or polished brass finish forends and striking plates
- Suitable for sprung and most unsprung lever furniture
- Pierced to accept bolt through furniture and escutcheons at 38 mm centres

### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN12209:2003

3	M	8	1*	0	G	-	B	0	2	0
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**Fire safety:** Assessed to BS EN1634 Part 1. Suitable for use on 30, 60, 90 and 120 minutes timber fire doors and 240 minutes on steel fire doors.\*



**CE marked:** Certificate 1121-CPR-AG0087



**Certifire approved product:** Certificate CF5022

#### CPR Declaration of Performance Certificate – HUK0034

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, polished stainless steel, polished brass

Product ref.	Article description	Finish	Article no.
<b>AR8104-S-60-SSS-A2</b>	Mortice nightlatch case (square forend)	<b>SSS</b>	89002639
<b>AR8104-S-60-PSS-A2</b>	Mortice nightlatch case (square forend)	<b>PSS</b>	87134441
<b>AR8104-S-60-PB</b>	Mortice nightlatch case (square forend)	<b>PB</b>	87134448

<b>AR91/81-S-13-SSS-A2</b>	13 mm rebate set for square forend locks	<b>SSS</b>	87107889
<b>AR91/81-S-13-PB</b>	13 mm rebate set for square forend locks	<b>PB</b>	87108045

<b>AR900/8100-FP/SD</b>	Mortice lock metal door fixing pack	<b>SSS</b>	7204710
<b>AR/INT-DIN-LOCKS</b>	To suit 72 mm lock range, 60 mm backset		87134490



## ARRONE® Intumescent Packs

Intumescent pack for the AR8100 and AR900 Series locks

### Features

- Flat folded sheets of 1 mm thick material
- When opened up, form a pocket to surround the lock case
- 60 mm backset (other sizes to order)

### Standards and certification



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. For use on 30, 60, 90, and 120 minutes timber fire doors.

Product ref.	Article description	Article no.
<b>AR/INT-DIN-LOCKS-60</b>	To suit 72 mm lock range, 60 mm backset	87134490
<b>AR-EXP/INT-LOCKS-55</b>	To suit 72 mm lock range, 55 mm backset	89001253
<b>AR-EXP/INT-LOCKS-80</b>	To suit 72 mm lock range, 80 mm backset	89001260



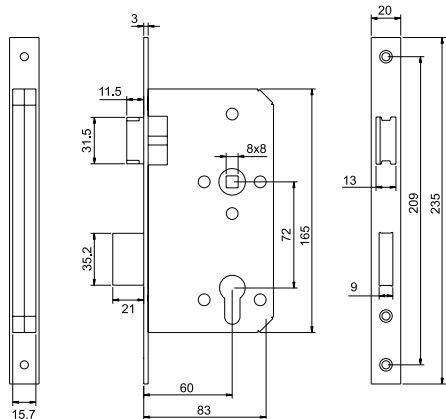
## ARRONE® Euro Profile Mortice Sashlock Case Residential Grade

### Features

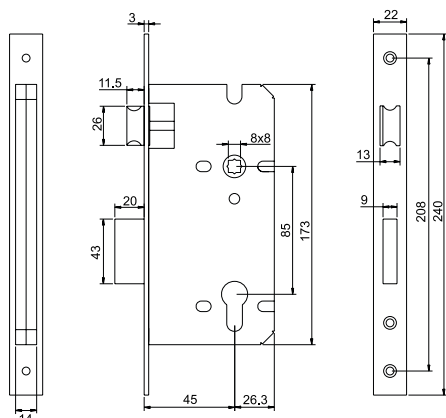
- Case: mild steel/silver, pierced to accept bolt through furniture and escutcheons with 38 mm centres
- Keyhole, Centres and Backset: PZ-72, backset 60 mm, forend width 20 mm  
PZ-85, backset 45 mm, forend width 22 mm
- Follower: 8 mm zinc alloy follower
- Latchbolt: easily reversible without opening case
- Latchbolt/Deadbolt finish: stainless steel or polished brass  
Latchbolt/Deadbolt material: stainless steel or brass
- Deadbolt: double throw with 20 mm projection
- Forend and striking plates available square in stainless steel or polished brass (strike plate incl. tidy in white)
- Suitable for sprung lever furniture
- Category of use: 2
- Suitable for non-fire rated doors only

### Finishes

- Satin stainless steel, polished brass



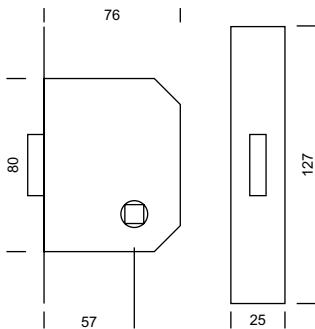
**Backset 60**



**Backset 45**

Product ref.	Article description	Finish	Article no.
<b>AR710-S-60-SSS-A1</b>	Mortice sashlock case, PZ-72 (20 mm square forend).	<b>SSS</b>	50002752
<b>AR710-S-60-PB</b>	Mortice sashlock case, PZ-72 (20 mm square forend).	<b>PB</b>	50002764
<b>AR710-S-45-SSS-A1</b>	Mortice sashlock case, PZ-85 (22 mm square forend).	<b>SSS</b>	50002776
<b>AR710-S-45-PB</b>	Mortice sashlock case, PZ-85 (22 mm square forend).	<b>PB</b>	50002788

Mortice latch case (AR711) and mortice deadlock case (AR712) available on request.



## ARRONE® Mortice Latches

### Square Case Mortice Latch – One Way Action

#### Features

- Suitable for sprung and most unsprung lever furniture
- Easily reversible latchbolt without opening case
- Brass guided latchbolt (12 mm projection)
- Available in 76 mm case size
- Satin chrome steel finish forend and striking plate
- Available with square or radiused forend and striking plates

#### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN12209:2003

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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. For use on 30 and 60 minutes timber fire doors.\*



**CE marked:** Certificate 1121-CPD-AG0094



**Certifire approved product:** Certificate CF577

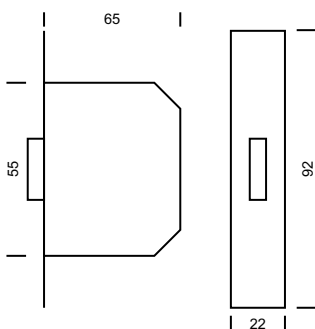
#### CPR Declaration of Performance Certificate – HUK0037

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

#### Finish

- Satin chrome

Product ref.	Article description	Finish	Article no.
<b>AR8000-76-SC</b>	76 mm square case mortice latch	<b>SC</b>	87109100



## ARRONE® Mortice Latches

### Heavy Duty Adjustable Roller Bolt Latch

#### Features

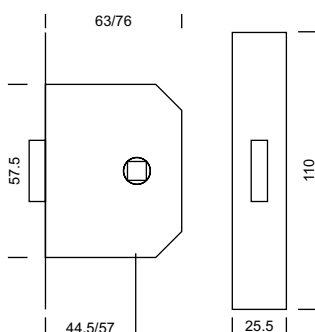
- Unique patented easy adjustment method
- Adjustable roller bolt up to 15 mm projection
- Polished brass or satin chrome finish forend and striking plate

#### Finishes

- Polished brass, satin chrome

Product ref.	Article description	Finish	Article no.
<b>AR/M-750-PB</b>	Adjustable roller bolt latch	<b>PB</b>	87102960
<b>AR/M-750-SC</b>	Adjustable roller bolt latch	<b>SC</b>	87102958





## ARRONE® Mortice Lock Cases

### Bathroom Deadbolt (Square Case)

#### Features

- For use with bathroom indicators and turns with 5 mm spindle
- Available in 63 mm and 76 mm case size
- Satin chrome finish forend and striking plate

#### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN12209:2003

2	X	8	1*	0	F	-	B	0	0	0
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1.

For use on 30 and 60 minutes timber fire doors.\*



**CE marked:** Certificate 1121-CPD-AG0102



**Certifire approved product:** Certificate CF577

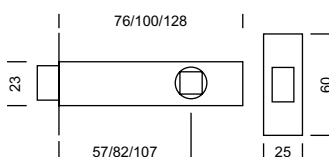
**CPR Declaration of Performance Certificate – HUK0053**

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

#### Finish

- Satin chrome

Product ref.	Article description	Finish	Article no.
<b>AR8031-63-SC</b>	63 mm square case bathroom deadbolt	<b>SC</b>	87109139
<b>AR8031-76-SC</b>	76 mm square case bathroom deadbolt	<b>SC</b>	87109141



## ARRONE® Mortice Lock Cases

### Bathroom Deadbolt (Tubular)

#### Features

- For use with bathroom indicators and turns with 5 mm spindle, 5 mm steel follower
- Available in 76 mm, 100 mm and 128 mm size
- Satin chrome and brass finish forend and striking plate

#### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN12209:2003

2	X	8	1*	0	F	-	B	0	0	0
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1.

For use on 30 and 60 minutes timber fire doors.\*



**CE marked:** Certificate 1121-CPD-AG0178



**Certifire approved product:** Certificate CF577

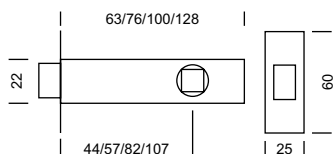
**CPR Declaration of Performance Certificate – HUK0018**

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

#### Finishes

- Satin chrome and brass

Product ref.	Article description	Finish	Article no.
<b>AR8018-76-SC/EB</b>	76 mm heavy duty bathroom deadbolt	<b>SC/EB</b>	87101338
<b>AR8018-100-SC/EB</b>	100 mm heavy duty bathroom deadbolt	<b>SC/EB</b>	87101341
<b>AR8018-128-SC/EB</b>	128 mm heavy duty bathroom deadbolt	<b>SC/EB</b>	87101344



## ARRONE® Mortice Latches

### Heavy Duty Tubular Mortice Latch

#### Features

- Suitable for sprung and some unsprung lever furniture
- Easily reversed brass latchbolt
- Brass guided latchbolt (12 mm projection)
- Available in 63 mm, 76 mm, 100 mm and 128 mm case size
- Satin chrome and brass finish forends and striking plates supplied with each latch

#### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN12209:2003

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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. For use on a 30 and 60 minutes fire door.\*



**CE marked:** Certificate 1121-CPD-AG0192



**Certifire approved product:** Certificate CF577

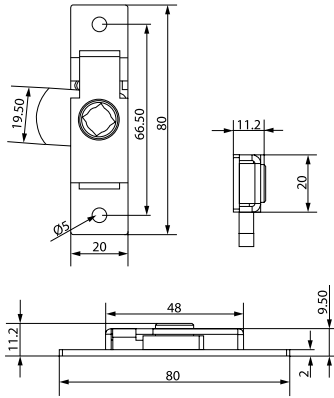
#### CPR Declaration of Performance Certificate – HUK0014

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

#### Finishes

- Satin chrome and brass

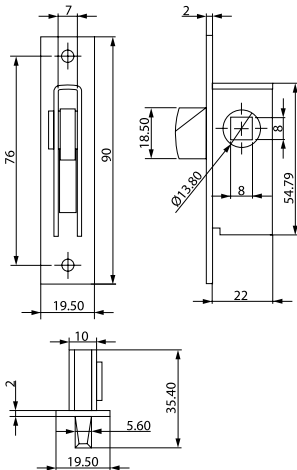
Product ref.	Article description	Finish	Article no.
<b>AR8019-63-SC/EB</b>	63 mm square case mortice latch	<b>SC/EB</b>	87105900
<b>AR8019-76-SC/EB</b>	76 mm square case mortice latch	<b>SC/EB</b>	87101329
<b>AR8019-100-SC/EB</b>	100 mm square case mortice latch	<b>SC/EB</b>	87101332
<b>AR8019-128-SC/EB</b>	128 mm square case mortice latch	<b>SC/EB</b>	87101345



## Flat Rim Budget Lock

Product ref.	Article description	Finish	Article no.
<b>AR-RBL-BZP</b>	Flat rim budget lock, double handed	<b>BZP</b>	89001211

4



## Mortice Budget Lock

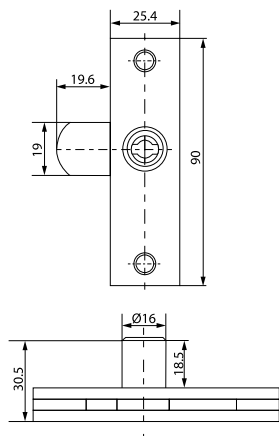
Product ref.	Article description	Finish	Article no.
<b>AR-RBL-MORTICE-BZP</b>	Mortice budget lock	<b>BZP</b>	89001820



## Rim Captive Key Budget Lock

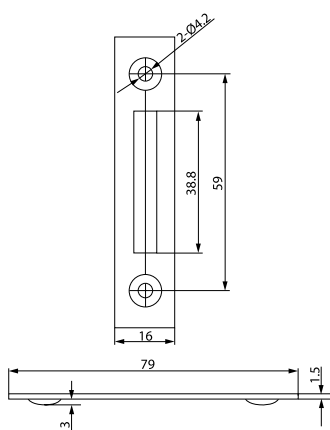
Product ref.	Article description	Finish	Article no.
<b>AR-CAPT-RBL-BZP</b>	Rim captive key budget lock	<b>BZP</b>	89001477

Matching key see page 87.



## Mortice Budget Lock Strike Plate

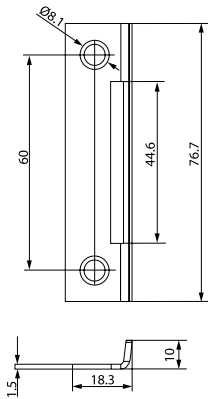
Product ref.	Article description	Finish	Article no.
<b>AR-RBL-STRK-BZP</b>	Strike plate	<b>BZP</b>	89001491





## Rim Budget Lock Angled Strike Plate

Product ref.	Article description	Finish	Article no.
<b>AR-RBL-ANG-STRK-BZP</b>	Rim budget lock angled strike plate	<b>BZP</b>	89001225

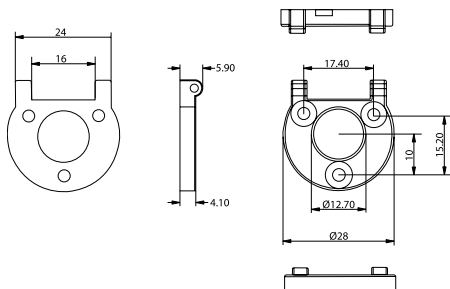


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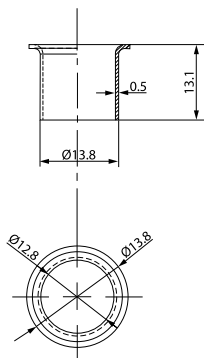


## Sprung Escutcheon

Product ref.	Article description	Finish	Article no.
<b>AR-RBL-SPR-ESC-SCP</b>	Sprung escutcheon	<b>SCP</b>	89001218

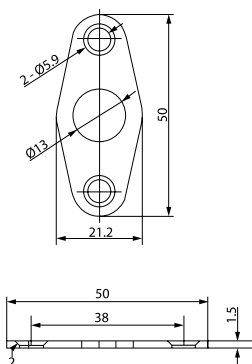


# Budget Lock Range



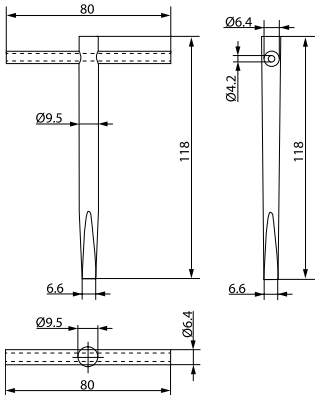
## Ferrule Escutcheon

Product ref.	Article description	Finish	Article no.
<b>AR-RBL-FERRULE-BZP</b>	Ferrule escutcheon to suit budget lock	<b>BZP</b>	89001834



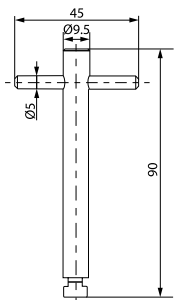
## Flatplate Escutcheon

Product ref.	Article description	Finish	Article no.
<b>AR-RBL-FLATPLATE-BZP</b>	Flatplate escutcheon to suit budget lock	<b>BZP</b>	89001827



## 'T' Key

Product ref.	Article description	Finish	Article no.
<b>AR-RBL-T-KEY-BZP</b>	'T' key	<b>BZP</b>	89001281



## Captive Key

Product ref.	Article description	Finish	Article no.
<b>AR-RBL-CAPT-KEY-BZP</b>	Captive Key	<b>BZP</b>	89001484







5

## ARRONE® 6 Pin Euro Profile Cylinders to Differ

### Features

- Solid brass body and top pins
- Anti drill stainless steel bottom pins
- Tested to 100,000 cycles
- In excess of 250,000 differs
- Supplied with 3 keys
- Keys manufactured from brass
- Key blanks available
- Open section

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1303:2005

1	6	0	0	0	C	6	0
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### Finish

- Matt nickel plated



#### AR-KD-0110

Euro profile single (half) cylinder

### Euro Profile Single (Half) Cylinders – 6 Pin to Differ

Product ref.	Article description	Finish	Article no.
<b>AR-KD-0110-A-MNP</b>	40 mm euro profile single cylinder	<b>MNP</b>	87108928
<b>AR-KD-0110-B-MNP</b>	45 mm euro profile single cylinder	<b>MNP</b>	87108930
<b>AR-KD-0110-C-MNP</b>	50 mm euro profile single cylinder	<b>MNP</b>	87108932



#### AR-KD-0130

Euro profile double cylinder

### Euro Profile Double Cylinders – 6 Pin to Differ

Product ref.	Article description	Finish	Article no.
<b>AR-KD-0130-AA-MNP</b>	60 mm euro profile double cylinder (30+30)	<b>MNP</b>	87108934
<b>AR-KD-0130-BB-MNP</b>	70 mm euro profile double cylinder (35+35)	<b>MNP</b>	87108936
<b>AR-KD-0130-CC-MNP</b>	80 mm euro profile double cylinder (40+40)	<b>MNP</b>	87108938
<b>AR-KD-0130-BD-MNP</b>	80 mm euro profile double cylinder (35+45)	<b>MNP</b>	87108942
<b>AR-KD-0130-CE-MNP</b>	90 mm euro profile double cylinder (40+50)	<b>MNP</b>	87108946
<b>AR-KD-0130-CG-MNP</b>	100 mm euro profile double cylinder (40+60)	<b>MNP</b>	87108948



#### AR-KD-0121

Euro profile key and oval-turn cylinder

### Euro Profile Key and Oval-Turn Cylinders – 6 Pin to Differ

Product ref.	Article description	Finish	Article no.
<b>AR-KD-0121-AA-MNP</b>	60 mm euro profile cylinder with oval type turn (30+30)	<b>MNP</b>	87108950
<b>AR-KD-0121-BB-MNP</b>	70 mm euro profile cylinder with oval type turn (35+35)	<b>MNP</b>	87108952
<b>AR-KD-0121-CC-MNP</b>	80 mm euro profile cylinder with oval type turn (40+40)	<b>MNP</b>	87108954

Product ref.	Article description	Finish	Article no.
<b>AR-KT-0110-B-MNP</b>	40 mm single euro oval type turn cylinder	<b>MNP</b>	87110082

## ARRONE® 6 Pin Euro Profile Cylinders – Master Keyed

### Features

- Bespoke master keyed systems assembled in-house at HOPPE (UK) Ltd.
- Approx. 1,200 differs available for a straight MK suite with no sub suites
- Full records kept for replacements and future extensions
- Open key section: key blanks available
- Solid brass body and top pins
- Tested to 100,000 cycles
- Supplied with 2 keys
- Keys manufactured from brass
- Anti drill stainless steel bottom pins

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1303:2005

1	6	0	0	0	C	6	0
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### Finish

- Matt nickel plated



**AR-MK-0110**  
Euro profile single (half) cylinder

### Euro Profile Single (Half) Cylinders – 6 Pin Master Keyed

Product ref.	Article description	Finish	Article no.
<b>AR-MK-0110-A-MNP</b>	40 mm euro profile single cylinder	<b>MNP</b>	87108332
<b>AR-MK-0110-B-MNP</b>	45 mm euro profile single cylinder	<b>MNP</b>	87108334
<b>AR-MK-0110-C-MNP</b>	50 mm euro profile single cylinder	<b>MNP</b>	87108336



**AR-MK-0130**  
Euro profile double cylinder

### Euro Profile Double Cylinders – 6 Pin Master Keyed

Product ref.	Article description	Finish	Article no.
<b>AR-MK-0130-AA-MNP</b>	60 mm euro profile double cylinder (30+30)	<b>MNP</b>	87108338
<b>AR-MK-0130-BB-MNP</b>	70 mm euro profile double cylinder (35+35)	<b>MNP</b>	87108340
<b>AR-MK-0130-CC-MNP</b>	80 mm euro profile double cylinder (40+40)	<b>MNP</b>	87108342
<b>AR-MK-0130-AC-MNP</b>	70 mm euro profile double cylinder (30+40)	<b>MNP</b>	87108344
<b>AR-MK-0130-BD-MNP</b>	80 mm euro profile double cylinder (35+45)	<b>MNP</b>	87108346
<b>AR-MK-0130-BE-MNP</b>	85 mm euro profile double cylinder (35+50)	<b>MNP</b>	87108348
<b>AR-MK-0130-CE-MNP</b>	90 mm euro profile double cylinder (40+50)	<b>MNP</b>	87108350
<b>AR-MK-0130-CG-MNP</b>	100 mm euro profile double cylinder (40+60)	<b>MNP</b>	87108352



**AR-MK-0121**  
Euro profile key and oval-turn cylinder

### Euro Profile Key and Oval-Turn Cylinders – 6 Pin Master Keyed

Product ref.	Article description	Finish	Article no.
<b>AR-MK-0121-AA-MNP</b>	60 mm profile cylinder oval type turn (30+30)	<b>MNP</b>	87108354
<b>AR-MK-0121-BB-MNP</b>	70 mm profile cylinder oval type turn (35+35)	<b>MNP</b>	87108356
<b>AR-MK-0121-CC-MNP</b>	80 mm profile cylinder oval type turn (40+40)	<b>MNP</b>	87108358

### Keys and Key Blanks

Product ref.	Article description	Article no.
<b>AR0000-CK</b>	Cut key	87108461
<b>AR0000-KB</b>	Key blank	87108462
<b>AR0000-MK</b>	Master control key	87108460

## ABUS 6 Pin Euro Profile Cylinders – Master Keyed

### Features

- For extensive grand master keyed suites
- Patent protection until year 2020
- Unique “Y” patented curved key system
- 6 pin tumbler mechanism with anti-pick pins
- Anti drill stainless steel bottom pins
- Solid brass body and top pins
- Tested to 100,000 cycles
- Supplied 2 keyed
- Keys manufactured from nickel silver
- Key blanks controlled

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1303:2005

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\* grade 2: in connection with a rose or protective hardware according to DIN 18257

### Finishes

- Polished brass, nickel plated



**PF-HY452**

Euro profile single (half) cylinder

### Euro Profile Single (Half) Cylinders – 6 Pin Master Keyed

Product ref.	Article description	Finish	Article no.
<b>PF-HY452-1030-PB</b>	Euro profile single cylinder – HOPPE Y section	<b>PB</b>	87118508
<b>PF-HY452-1030-NP</b>	Euro profile single cylinder – HOPPE Y section	<b>NP</b>	87118515
<b>PF-HY452-1035-PB</b>	Euro profile single cylinder – HOPPE Y section	<b>PB</b>	87118522
<b>PF-HY452-1035-NP</b>	Euro profile single cylinder – HOPPE Y section	<b>NP</b>	87118529



**PF-HY410**

Euro profile double cylinder

### Euro Profile Double Cylinders – 6 Pin Master Keyed

Product ref.	Article description	Finish	Article no.
<b>PF-HY410-3030-PB</b>	Euro profile double cylinder – HOPPE Y section	<b>PB</b>	87118452
<b>PF-HY410-3030-NP</b>	Euro profile double cylinder – HOPPE Y section	<b>NP</b>	87118459
<b>PF-HY410-3535-PB</b>	Euro profile double cylinder – HOPPE Y section	<b>PB</b>	87118466
<b>PF-HY410-3535-NP</b>	Euro profile double cylinder – HOPPE Y section	<b>NP</b>	87118473
<b>PF-HY410-4040-PB</b>	Euro profile double cylinder – HOPPE Y section	<b>PB</b>	87118480
<b>PF-HY410-4040-NP</b>	Euro profile double cylinder – HOPPE Y section	<b>NP</b>	87118487
<b>PF-HY410-4545-PB</b>	Euro profile double cylinder – HOPPE Y section	<b>PB</b>	87118494
<b>PF-HY410-4545-NP</b>	Euro profile double cylinder – HOPPE Y section	<b>NP</b>	87118501



“Y” Patented curved key system

### Keys and Key Blanks

Product ref.	Article description	Article no.
<b>ABPF-Key</b>	Cut Key	89002912

## ABUS 6 Pin Euro Profile Cylinders – Master Keyed

### Euro Profile Thumb/Turn Cylinders – 6 Pin Master Keyed



**PF-HY430K**  
Euro profile Thumb/Turn cylinder

Product ref.	Article description	Finish	Article no.
<b>PF-HY430K-3030-PB</b>	Euro profile Thumb/T cylinder – HOPPE Y section	<b>PB</b>	87118536
<b>PF-HY430K-3030-NP</b>	Euro profile Thumb/T cylinder – HOPPE Y section	<b>NP</b>	87118543
<b>PF-HY430K-3535-PB</b>	Euro profile Thumb/T cylinder – HOPPE Y section	<b>PB</b>	87118550
<b>PF-HY430K-3535-NP</b>	Euro profile Thumb/T cylinder – HOPPE Y section	<b>NP</b>	87118557
<b>PF-HY430K-4040-PB</b>	Euro profile Thumb/T cylinder – HOPPE Y section	<b>PB</b>	87118564
<b>PF-HY430K-4040-NP</b>	Euro profile Thumb/T cylinder – HOPPE Y section	<b>NP</b>	87118571
<b>PF-HY430K-4545-PB</b>	Euro profile Thumb/T cylinder – HOPPE Y section	<b>PB</b>	87118578
<b>PF-HY430K-4545-NP</b>	Euro profile Thumb/T cylinder – HOPPE Y section	<b>NP</b>	87118585

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### Rim Cylinders



**PF-HY456**  
Rim cylinder

Product ref.	Article description	Finish	Article no.
<b>PF-HY456-PB</b>	Rim cylinder – HOPPE Y section	<b>PB</b>	87118592
<b>PF-HY456-NP</b>	Rim cylinder – HOPPE Y section	<b>NP</b>	87118599

<b>PF-HY456-SR-1-PB</b>	Screw-in single cylinder – HOPPE Y section	<b>PB</b>	87118634
<b>PF-HY456-SR-1-NP</b>	Screw-in single cylinder – HOPPE Y section	<b>NP</b>	87118641

<b>PF-HY456-SR-1-X2-PB</b>	Screw-in double cylinder – HOPPE Y section	<b>PB</b>	87118648
<b>PF-HY456-SR-1-X2-NP</b>	Screw-in double cylinder – HOPPE Y section	<b>NP</b>	87118655

### Screw-in Single Cylinders



**PF-HY456 SR1**  
Screw-in single cylinder

Product ref.	Article description	Article no.
<b>PF-HYKC/1</b>	Add cut key with cylinder – HOPPE Y section	87118683
<b>PF-HYKC/2</b>	Add cut key without cylinder – HOPPE Y section	87118690

<b>PF-HYKM/1</b>	Master key with cylinder – HOPPE Y section	87118697
<b>PF-HYKM/2</b>	Master key without cylinder – HOPPE Y section	87118704

## ARRONE® 6 Pin Euro Profile Cylinders to Differ

### Features

- 6-pin to differ
- Solid brass top pins and body
- Tested to 100.000 cycles
- In excess of min. 30.000 differs
- Supplied with 3 keys
- Keys manufactured from brass
- H-turn and oval-turn available
- Open key section

### Standards and certification



#### Quality and performance:

Successfully type tested for conformity to all the requirements of BS EN1303:2005

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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1.\*

### Finishes

- Polished brass, satin nickel plated



**AR-KD-682**  
Euro profile single (half) cylinder

### Euro Profile Single (Half) Cylinders – 6 Pin to Differ

Product ref.	Article description	Finish	Article no.
<b>AR-KD/682-40-PB</b>	40 mm euro single cylinder	<b>PB</b>	89000183
<b>AR-KD/682-40-SNP</b>	40 mm euro single cylinder	<b>SNP</b>	89000190
<b>AR-KD/682-45-PB</b>	45 mm euro single cylinder	<b>PB</b>	89000197
<b>AR-KD/682-45-SNP</b>	45 mm euro single cylinder	<b>SNP</b>	89000204
<b>AR-KD/682-50-PB</b>	50 mm euro single cylinder	<b>PB</b>	89000211
<b>AR-KD/682-50-SNP</b>	50 mm euro single cylinder	<b>SNP</b>	89000218



**AR-KD-680**  
Euro profile double cylinder

### Euro Profile Double Cylinders – 6 Pin to Differ

Product ref.	Article description	Finish	Article no.
<b>AR-KD/680-60-PB</b>	60 mm euro double cylinder	<b>PB</b>	89000071
<b>AR-KD/680-60-SNP</b>	60 mm euro double cylinder	<b>SNP</b>	89000078
<b>AR-KD/680-65-PB</b>	65 mm euro double cylinder	<b>PB</b>	89000085
<b>AR-KD/680-65-SNP</b>	65 mm euro double cylinder	<b>SNP</b>	89000092
<b>AR-KD/680-70-PB</b>	70 mm euro double cylinder	<b>PB</b>	89000099
<b>AR-KD/680-70-SNP</b>	70 mm euro double cylinder	<b>SNP</b>	89000106
<b>AR-KD/680-75-PB</b>	75 mm euro double cylinder	<b>PB</b>	89002534
<b>AR-KD/680-75-SNP</b>	75 mm euro double cylinder	<b>SNP</b>	89002541
<b>AR-KD/680-80-PB</b>	80 mm euro double cylinder	<b>PB</b>	89000113
<b>AR-KD/680-80-SNP</b>	80 mm euro double cylinder	<b>SNP</b>	89000120



**AR-KD-681**  
Euro profile key and turn cylinder

## ARRONE® 6 Pin Euro Profile Cylinders to Differ

Euro Profile Key and Turn Cylinders – 6 Pin to Differ

Product ref.	Article description	Finish	Article no.
<b>AR-KD/681-60-PB</b>	60 mm euro key and H-turn cylinder	<b>PB</b>	89000127
<b>AR-KD/681-60-SNP</b>	60 mm euro key and H-turn cylinder	<b>SNP</b>	89000134
<b>AR-KD/681-70-PB</b>	70 mm euro key and H-turn cylinder	<b>PB</b>	89000155
<b>AR-KD/681-70-SNP</b>	70 mm euro key and H-turn cylinder	<b>SNP</b>	89000162
<b>AR-KD/681-80-PB</b>	80 mm euro key and H-turn cylinder	<b>PB</b>	89000169
<b>AR-KD/681-80-SNP</b>	80 mm euro key and H-turn cylinder	<b>SNP</b>	89000176



**AR-KD-685**  
Euro profile key and oval-turn cylinder

Euro Profile Key and Oval-Turn Cylinders – 6 Pin to Differ

Product ref.	Article description	Finish	Article no.
<b>AR-KD/685-60-SNP</b>	60 mm euro key and oval-turn cylinder	<b>SNP</b>	89002877
<b>AR-KD/685-70-SNP</b>	70 mm euro key and oval-turn cylinder	<b>SNP</b>	50000196

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**AR-SK/683**  
Euro profile privacy and turn cylinder

## ARRONE® Euro Profile Privacy Turn Cylinder

### Features

- Emergency slot outside
- Thumbturn inside
- Suitable for toilet doors
- Available in 60 mm, 70 mm
- Polished brass or satin nickel plated
- "H"-turn design
- Oval turn design available on request

Product ref.	Article description	Finish	Article no.
<b>AR-SK/683-60-PB</b>	60 mm euro profile cylinder – privacy turn	<b>PB</b>	89000225
<b>AR-SK/683-60-SNP</b>	60 mm euro profile cylinder – privacy turn	<b>SNP</b>	89000232
<b>AR-SK/683-70-PB</b>	70 mm euro profile cylinder – privacy turn	<b>PB</b>	89000253
<b>AR-SK/683-70-SNP</b>	70 mm euro profile cylinder – privacy turn	<b>SNP</b>	89000255







# Panic and Emergency Exit Hardware

## ARRONE® AR880

### Single Panic Bolt

Suitable for single doors up to 2440 mm height x 1220 mm wide (extended top shoots available) or second opening leaf of double door set with rebated meeting stiles – see AR888. Suitable for use in open public areas (in accordance with BS EN1125:2008).

#### Features

- Automatic top trip
- Two-point locking
- Diecast control boxes
- Follower on main box for use with ARRONE® locking attachments
- One way follower action
- Anti-thrust device preventing leverage of top and bottom shoots
- Round tubular steel shoots
- Fully reversible
- Supplied with “W” clip for use with a rim cylinder on external side
- “Push bar to open” signage supplied
- Fixings and strike plates to suit metal doors available separately

#### Standards and certification



##### Quality and performance:

Successfully type tested to all the requirements of BS EN1125:2008

3	7	6	B	1	4	2	2	A	A
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors and 240 minutes steel fire doors.



**CE marked:** Certificate 1121-CPR-AAA005



**Certifire approved product:** Certificate CF810

**CPR Declaration of Performance Certificate – HUK0022**

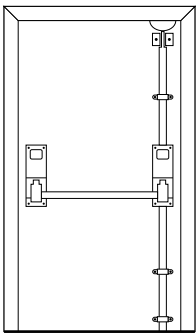
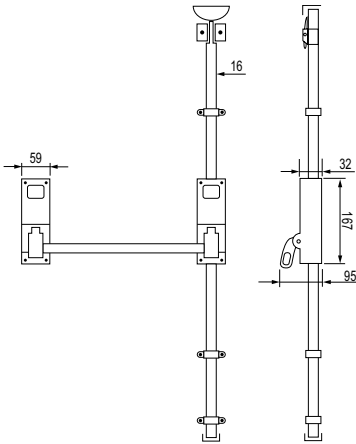
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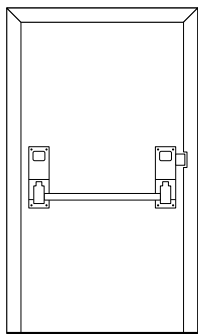
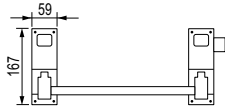
#### Finishes

- Silver, gold

Product ref.	Article description	Finish	Article no.
<b>AR880-SE</b>	Single panic bolt	<b>SE</b>	8510689
<b>AR880-GE</b>	Single panic bolt	<b>GE</b>	8510640

Spare fixings	Article description	Article no.
<b>AR880-FP/SD</b>	Fixing pack for AR880 to suit steel doors	87134581





## ARRONE® AR882

### Reversible Panic Latch

Suitable for single doors or first opening leaf of double doors with rebated meeting stiles – see AR888. Suitable for single doors up to 1220 mm wide and suitable for use in open public areas (in accordance with BS EN1125:2008).

#### Features

- Single-point locking
- Diecast control boxes
- One way follower action
- Follower on main box for use with ARRONE® locking attachments
- Oval steel pushbar
- Fully reversible
- Supplied with “W” clip for use with a rim cylinder on external side
- “Push bar to open” signage supplied
- Fixings and strike plates to suit metal doors available separately

#### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN1125:2008

3	7	6	B	1	4	2	2	A	A
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors and 240 minutes steel fire doors.



**CE marked:** Certificate 1121-CPR-AAA005



**Certifire approved product:** Certificate CF810

#### CPR Declaration of Performance Certificate – HUK0022

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

#### Finishes

- Silver, gold

Product ref.	Article description	Finish	Article no.
<b>AR882-SE</b>	Reversible panic latch	<b>SE</b>	8510934
<b>AR882-GE</b>	Reversible panic latch	<b>GE</b>	8510892

Spare fixings	Product ref.	Article description	Article no.
	<b>AR882-FP/SD</b>	Fixing pack for AR882 to suit steel doors	87134588

# Panic and Emergency Exit Hardware

## ARRONE® AR888

### Combination Unit for Double Rebated Doors

To be used on double rebated door sets with each single door leaf up to 2440 mm x 1220 mm wide. Suitable for use in open public areas (in accordance with BS EN1125:2008).

**Note:** For double NON rebated plain edge doors fit 2 x AR880 single panic bolts

#### Consists of

- AR880 single panic bolt
- AR882 reversible panic latch
- AR887 double door striking plate
- One way follower action
- Follower on main box for use with ARRONE® locking attachments
- "Push bar to open" signage
- Fixings and strike plates to suit metal doors available separately

#### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN1125:2008

3	7	6	B	1	4	2	2	A	A
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors and 240 minutes steel fire doors.



**CE marked:** Certificate 1121-CPR-AAA005



**Certifire approved product:** Certificate CF810

**CPR Declaration of Performance Certificate – HUK0022**

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

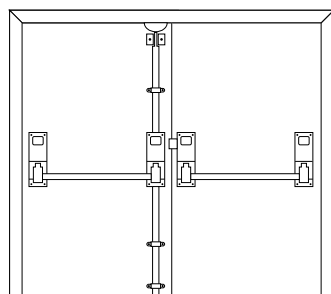
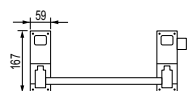
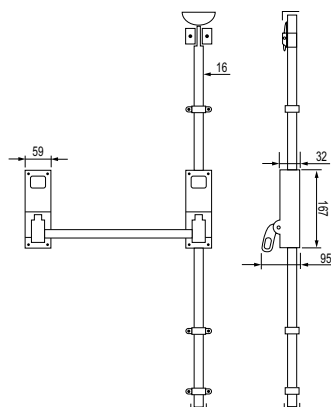
#### Finishes

- Silver, gold

Product ref.	Article description	Finish	Article no.
<b>AR888-SE</b>	Combination unit for double rebated doors	<b>SE</b>	8545563
<b>AR888-GE</b>	Combination unit for double rebated doors	<b>GE</b>	8545570

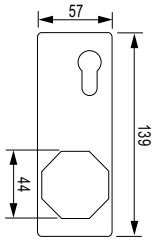
#### Spare fixings

<b>AR888-FP/SD</b>	Fixing pack for AR888 to suit steel doors	87134623
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**AR886K**



**AR886K**

## ARRONE® AR886K

### Outside Access Devices

Suitable only for use with the ARRONE® panic and emergency exit hardware range (AR880, AR882, AR888). Tested as part of both single and double door sets in accordance with BS EN179:2008 and BS EN1125:2008.

#### Features

- Back to back fixing with the internal device prevents unsightly drill holes only when fitted with ARRONE® panic and emergency exit hardware
- Diecast control boxes
- One way follower action
- AR886 lift up pad handle designed to snap when excessive force is applied
- AR886K unique hexagonal knob design
- AR886 (45 mm single cylinder required) or AR886K (40 mm single cylinder required)
- Supplied with 8 mm x 90 mm spindle

#### Standards and certification



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30 and 60 minutes fire doors.



**Certifire approved product:** Certificate CF810

#### **CPR Declaration of Performance Certificate – HUK0022**

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

#### Finishes

- Silver, gold

Product ref.	Article description	Finish	Article no.
<b>AR886K-SE</b>	Knob type locking attachment – no cylinder	<b>SE</b>	87100226
<b>AR886K-GE</b>	Knob type locking attachment – no cylinder	<b>GE</b>	87100227

## ARRONE® AR8800 Single Panic Bolt

Touchbar Panic Hardware

### Application

- Suitable for single doors up to 2440 mm height and 750 – 1000 mm wide
- Or second opening leaf of double door set with rebated meeting stiles – See AR8808
- Suitable for use in open public areas (in accordance with BS EN 1125:2008)

### Features

- Two or three-point locking options – AR8800-2 or AR8800-3
- Vertical pullman latches
- Grade 304 Stainless Steel main body cover and cross bar operator (SSS finish only)
- Steel internal main body an pullman mechanism
- Grade 304 Stainless Steel pullman latchbolts
- AR8800-3 supplied with Grade 304 Stainless Steel Anti-thrust locking main body latchbolt preventing leverage externally
- Aluminium vertical rod covers
- Zinc alloy pullman covers
- Two way follower action
- Fully reversible
- “Push Bar To Open” signage supplied
- Supplied with fixings to suit timber and steel doors

### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN1125:2008

3	7	6	B	1	3	2	2	B	A
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors and 240 minutes steel fire doors.



**CE marked:** Certificate 1121-CPR-AAA5002



**Certifire approved product:** Certificate CF5180

**CPR Declaration of Performance Certificate – HUK0036**

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, silver



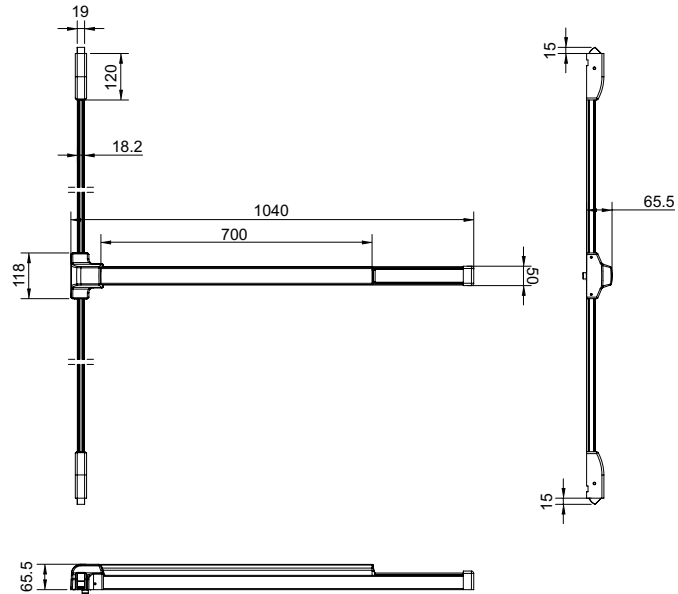
AR8800-2



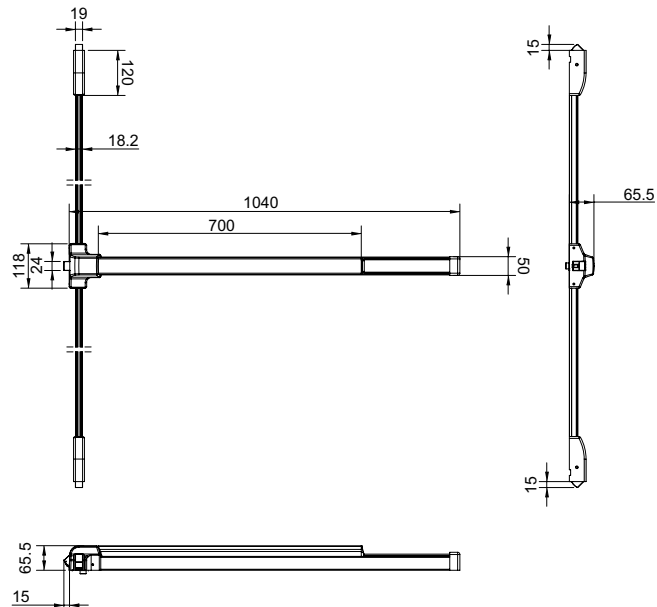
AR8800-3

## ARRONE® AR8800 Single Panic Bolt

Product ref.	Article description	Finish	Article no.
<b>AR/TB-8800-2-SE</b>	Touchbar panic bolt 2 point locking	<b>SE</b>	87134021
<b>AR/TB-8800-2-SSS-A2</b>	Touchbar panic bolt 2 point locking	<b>SSS</b>	87134028
<b>AR/TB-8800-3-SE</b>	Touchbar panic bolt 3 point locking	<b>SE</b>	87134035
<b>AR/TB-8800-3-SSS-A2</b>	Touchbar panic bolt 3 point locking	<b>SSS</b>	87134042



**AR8800-2**



**AR8800-3**

# Panic and Emergency Exit Hardware



## ARRONE® AR8802 Reversible Panic Latch

Touchbar Panic Hardware

### Application

- Suitable for single doors 750 - 1000 mm wide
- Or first opening leaf of double doors with rebated meeting stiles - See AR8808
- Suitable for use in open public areas (in accordance with BS EN 1125:2008)

### Features

- Grade 304 Stainless Steel main body cover and cross bar operator (SSS finish only)
- Steel Internal main mechanism
- Grade 304 Stainless Steel Anti-thrust locking latchbolt preventing leverage externally
- Two way follower action
- Fully reversible
- "Push Bar To Open" signage supplied
- Supplied with fixings to suit timber and steel doors

### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN1125:2008

3	7	6	B	1	3	2	2	B	A
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors and 240 minutes steel fire doors.



**CE marked:** Certificate 1121-CPR-AAA5002



**Certifire approved product:** Certificate CF5180

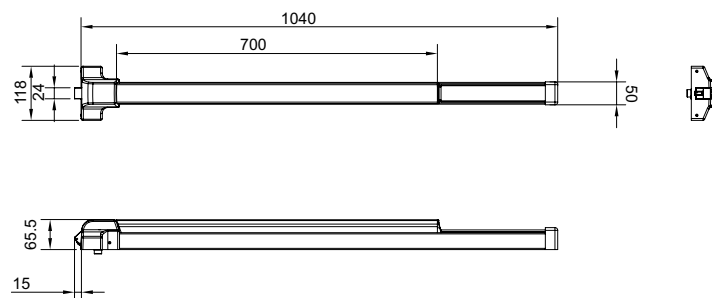
#### CPR Declaration of Performance Certificate – HUK0036

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, silver

Product ref.	Article description	Finish	Article no.
<b>AR/TB-8802-SE</b>	Reversible touchbar panic latch	<b>SE</b>	87134007
<b>AR/TB-8802-SSS-A2</b>	Reversible touchbar panic latch	<b>SSS</b>	87134014





## ARRONE® AR8808 Combination Unit for Double Rebated Doors

Touchbar Panic Hardware



AR8800-2



AR8802

### Application

- To be used on double rebated door sets with each single door leaf up to 2440 mm high and 750 – 1000 mm wide. Suitable for use in open public areas (in accordance with BS EN 1125:2008)
- Please note: For double NON rebated plain edge doors fit 2 x AR8800-2 single panic bolts

### Consists of:

- AR8800 single panic bolt
- AR8802 reversible panic latch
- Double door striking plate

### Features

- Vertical pullman latches
- Grade 304 Stainless Steel main body cover and cross bar operator (SSS finish only)
- Steel internal main body and pullman mechanism
- Grade 304 Stainless Steel pullman latchbolts
- AR8802 supplied with Grade 304 Stainless Steel Anti-thrust locking latchbolt preventing leverage externally
- Aluminium vertical rod covers
- Zinc alloy pullman covers
- Two way follower action
- Fully reversible
- "Push Bar To Open" signage supplied
- Supplied with fixings to suit timber and steel doors

### Standards and certification



#### Quality and performance:

Successfully type tested to all the requirements of BS EN1125:2008

3	7	6	B	1	3	2	2	B	A
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**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30, 60 and 120 minutes timber fire doors and 240 minutes steel fire doors.



**CE marked:** Certificate 1121-CPR-AAA5002



**Certifire approved product:** Certificate CF5180

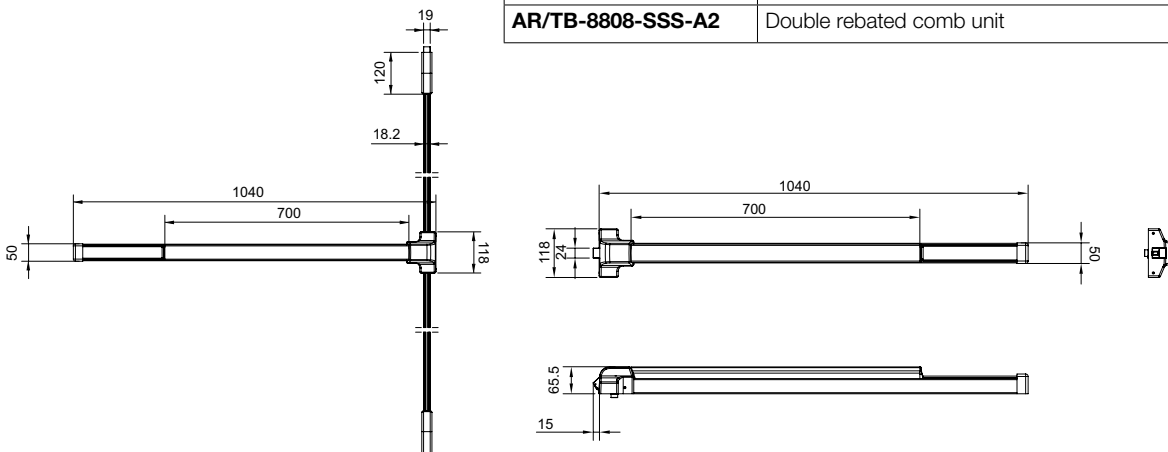
#### CPR Declaration of Performance Certificate – HUK0036

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Satin stainless steel, silver

Product ref.	Article description	Finish	Article no.
<b>AR/TB-8808-SE</b>	Double rebated comb unit	<b>SE</b>	87139032
<b>AR/TB-8808-SSS-A2</b>	Double rebated comb unit	<b>SSS</b>	87139039





## ARRONE® AR8806 Outside Access Device

### Application

Suitable for use with the ARRONE® panic and emergency exit hardware range (AR882, AR888, AR8800, AR8802 and AR8808). Tested as part of both single and double door sets in accordance with BS EN1125:2008. Requires backplate fixing pack for use with AR800 Series crossbar devices.

### Features

- Steel internal mechanism
- Back to back fixing with the internal device prevents unsightly drill holes only when fitted with ARRONE® touchbar panic exit hardware
- Two way follower action
- Fully reversible
- Lever handle mechanism designed to snap when excessive force is applied
- Return to door lever handle design, 22 mm diameter
- Outer cover and return to door lever handle manufactured from stainless steel
- 40 mm single cylinder required
- Supplied with 8 mm spindle for door thicknesses up to 54 mm
- Key to unlock/key to relock
- Backing plate for back to back fixing has to be ordered separately

### Standards and certification in combination with AR882 and AR888:



**Fire safety:** Included in a successful fire test to BS EN1634 Part 1. Assessed for use on 30 and 60 minutes timber fire doors and 240 minutes steel fire doors.

### In combination with touchbar devices AR8800, AR8802 and AR8808:



**Certifire approved product:** Certificate CF5180

### In combination with touchbar devices AR882 and AR888:



**Certifire approved product:** Certificate CF810

### CPR Declaration of Performance Certificate – HUK0036

Available for download – Go to [www.hoppe.co.uk](http://www.hoppe.co.uk)

### Finishes

- Silver, satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR/TB-8806-SE</b>	External locking attachment without cylinder	<b>SE</b>	87138402
<b>AR/TB-8806-SSS-A2</b>	External locking attachment without cylinder	<b>SSS</b>	87134070
<b>AR/TB-8806-Fix-Pack</b>	Backing plate (required fixing pack), in combination with AR882 and AR888 necessary		50001413

## ARRONE® Panic and Emergency Exit Hardware Spare Parts

Product ref.	Article description	Finish	Article no.
<b>AR887-SE</b>	Double door strike silver	<b>SE</b>	8511193
<b>AR887-GE</b>	Double door strike gold	<b>GE</b>	8511186
<b>AR887-BL</b>	Double door strike black	<b>BL</b>	8545395
<b>AR880-AS</b>	Activator spring for panic bolt unit		87100556
<b>AR880-BG</b>	Vertical shoot bolt guides	<b>SE</b>	87100546
<b>AR880-BP</b>	Vertical shoot bolt bottom plug		87100552
<b>AR880-BS</b>	Bottom strike for ARRONE® panic		87100555
<b>AR880-ELTS-SE</b>	2 m extended top bar silver	<b>SE</b>	8510619
<b>AR880-FP</b>	Fixing pack to suit AR880		87100548
<b>AR880-HB-SE</b>	Horizontal bar only - silver	<b>SE</b>	87100628
<b>AR880-SP</b>	Horizontal bar side plug (pack of 2)		87100553
<b>AR880-SVS</b>	Vertical shoot bolt rod	<b>SE</b>	87104005
<b>AR880-TS</b>	Top strike for ARRONE® panic		87100554
<b>AR880-TT</b>	Top trip for ARRONE® panic	<b>SE</b>	87100545
<b>AR880-TTP</b>	Top trip plug for ARRONE® panic		87100547
<b>AR/TB-8805-SE</b>	External locking attachment	<b>SE</b>	87138388
<b>AR/TB-8805-SSS</b>	External locking attachment	<b>SSS</b>	87134063
<b>AR/TB-Latch-Strike</b>	Strikeplate pack for touchbar panic latch		87138773
<b>AR-887-SE</b>	Double door strike	<b>SE</b>	8511193
<b>AR-887-GE</b>	Double door strike	<b>GE</b>	8511186





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## AR539 Door Viewer

Product ref.	Article description	Finish	Article no.
<b>AR539</b>	180° door viewer door thickness 38-60 mm	<b>CH</b>	87107689



## AR317 – AR318 – AR319 Hat, Coat and Wardrobe Hooks

Product ref.	Article description	Finish	Article no.
<b>AR317-SSS-A2</b>	Hat and coat hook	<b>SSS</b>	8506013
<b>AR318-SSS-A2</b>	Buffered hat and coat hook	<b>SSS</b>	8506027
<b>AR319-SSS-A2</b>	Wardrobe hook	<b>SSS</b>	8506041



## AR306 Cylinder Pull

Product ref.	Article description	Finish	Article no.
<b>AR306P-SSS-A2</b>	Plain pull	<b>SSS</b>	8505824
<b>AR306S-SSS-A2</b>	Cylinder pull for standard rim cylinder	<b>SSS</b>	8505838
<b>AR306YP-SSS-A2</b>	Cylinder pull for euro profile cylinder	<b>SSS</b>	8505866

## AR425 Kicking Plate



Product ref.	Article description	Finish	Article no.
<b>AR425-PB</b>	Kicking plate (cut to order)	<b>PB</b>	on request

## AR325 Kicking Plate



Product ref.	Article description	Finish	Article no.
<b>AR325-SSS-A2</b>	Kicking plate (cut to order)	<b>SSS</b>	on request
<b>AR325-PSS-A2</b>	Kicking plate (cut to order)	<b>PSS</b>	on request

## AR324 Finger Plate



AR324C

AR324D

AR324E

Product ref.	Article description	Finish	Article no.
<b>AR324C-SSS</b>	75 mm x 350 mm square end, radiused corner, drilled and countersunk, finger plate	<b>SSS</b>	8506188
<b>AR324D-SSS-A2</b>	100 mm x 300 mm square end, radiused corner, drilled and countersunk, finger plate	<b>SSS</b>	89001352
<b>AR324E-SSS-A2-Q</b>	100 mm x 400 mm square end, radiused corner, drilled and countersunk, finger plate	<b>SSS</b>	50002958

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## AR9625 Pull Handle on Plate



AR9625/324C

Product ref.	Article description	Finish	Article no.
<b>AR9625/324C-SSS-A2</b>	75 mm x 350 mm, pull handle on plate, 300 mm centres, 25 mm diameter	<b>SSS</b>	50000810



## AR334F Dome Shaped Door Stop

Product ref.	Article description	Finish	Article no.
<b>AR334F-SSS-A2</b>	Ø 30 mm x 50 mm dome shaped door stop	<b>SSS</b>	87104404



## AR934A Concealed Fixing on Wall or Skirting Door Stop

Product ref.	Article description	Finish	Article no.
<b>AR934A-SSS-A2</b>	76 mm projection, concealed fixing on wall or skirting door stop	<b>SSS</b>	89001806



## AR334B Secret Fixing Door Stop

Product ref.	Article description	Finish	Article no.
<b>AR334B-SSS-A2</b>	75 mm projection, secret fixing door stop	<b>SSS</b>	8506342
<b>AR334B-SSS-A4</b>	76 mm projection, secret fixing door stop	<b>SSS</b>	50000238



## AR934E Shielded Door Stop

Product ref.	Article description	Finish	Article no.
<b>AR934E-SSS-A2</b>	Ø 42 mm x 25 mm shielded door stop	<b>SSS</b>	89001799





## AR334C Door Stop

Product ref.	Article description	Finish	Article no.
<b>AR334C-SSS-A2</b>	Ø 30 mm x 15 mm door stop	<b>SSS</b>	606511



## AR334G Door Stop

Product ref.	Article description	Finish	Article no.
<b>AR334G-SSS-A4</b>	Ø 40 mm x 18 mm door stop	<b>SSS</b>	50000245



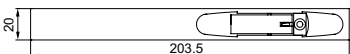
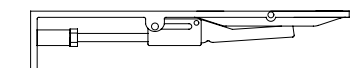
## AR334H Heavy-Duty Door Stop

Product ref.	Article description	Finish	Article no.
<b>AR334H-SSS-A4</b>	Ø 39 mm x 38,5 mm door stop	<b>SSS</b>	50001206
<b>AR334H-SSS-ANC-A4</b>	Ø 39 mm x 38,5 mm door stop with M16 expanding anchor	<b>SSS</b>	50000986





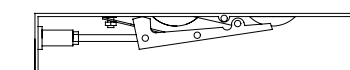
## AR926B Lever Action Flush Bolt



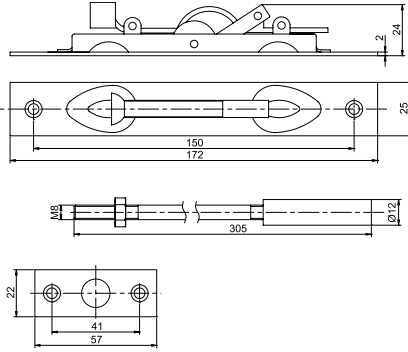
Product ref.	Article description	Finish	Article no.
<b>AR926B-SSS-A2</b>	200 mm x 20 mm solid lever action flush bolt for timber doors	<b>SSS</b>	89001813



## AR926C Lever Action Flush Bolt



Product ref.	Article description	Finish	Article no.
<b>AR926C-SSS-A2</b>	200 mm x 25 mm lever action flush bolt for timber doors	<b>SSS</b>	89002786
<b>AR926C-PVD</b>	200 mm x 25 mm lever action flush bolt for timber doors	<b>PVD</b>	50000767



## ARRONE® AR326M Flush Bolt

### Features

- Standard rod length: 305 mm
- Round bolt head: Ø 12 mm
- Fixings: self-tapping screws and machine screws (M4 x 12 mm)
- Suitable for metal doors

### Finish

- Satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR326M-SSS</b>	Flush bolt for metal doors	<b>SSS</b>	87135868
<b>AR326M-336-SSS-A2</b>	Flush bolt kit complete for metal doors	<b>SSS</b>	50001085

Optional rod length (bolt head not included)

Product ref.	Article description	Article no.
<b>AR326-ROD-600</b>	600 mm rod (M8) only	87135994
<b>AR326-ROD-1000</b>	1000 mm rod (M8) only	7061864



## AR336 Dust Proof Socket

Product ref.	Article description	Finish	Article no.
<b>AR336-SSS-A2</b>	Dust proof socket, aperture Ø 13,5 mm	<b>SSS</b>	87109998



## Flush Pull

Product ref.	Article description	Finish	Article no.
<b>AR323B-SSS-A2</b>	Rectangular flush pull 102 mm x 45 mm	<b>SSS</b>	87104400



Product ref.	Article description	Finish	Article no.
<b>AR323A-SSS-A2</b>	Circular flush pull Ø 90 mm	<b>SSS</b>	87104398



## AR340-CF Concealed Fix Numeral / Letter

Product ref.	Article description	Finish	Article no.
<b>AR340-CF-X-SSS</b>	75 mm concealed fix numeral (0 to 9) and 75 mm concealed fix letter (A to D)	<b>SSS</b>	on request



## AR340-FF Face Fix Numeral / Letter

Product ref.	Article description	Finish	Article no.
<b>AR340-FF-X-SSS</b>	75 mm face fix numeral (0 to 9) and 75 mm face fix letter (A to D)	<b>SSS</b>	on request



## AR903M

Product ref.	Article description	Finish	Article no.
<b>AR903M-SSS-A2</b>	Ø 76 mm male WC sign	<b>SSS</b>	8511368



## AR903F

Product ref.	Article description	Finish	Article no.
<b>AR903F-SSS-A2</b>	Ø 76 mm female WC sign	<b>SSS</b>	8511340



## AR903D

Product ref.	Article description	Finish	Article no.
<b>AR903D-SSS-A2</b>	Ø 76 mm wheelchair accessible WC sign	<b>SSS</b>	8511312



## AR903U

Product ref.	Article description	Finish	Article no.
<b>AR903U-SSS-A2</b>	Ø 76 mm unisex WC sign	<b>SSS</b>	87100985



## AR911

Product ref.	Article description	Finish	Article no.
<b>AR911-SSS-A4</b>	Ø 76 mm circular shower symbol	<b>SSS</b>	87105704



## AR913

Product ref.	Article description	Finish	Article no.
<b>AR913-SSS-A4</b>	Ø 76 mm circular baby change symbol	<b>SSS</b>	87105708

# Architectural Signs

## Temporary Door Handle Lever Set



### AR900

Product ref.	Article description	Finish	Article no.
<b>AR900-SSS</b>	Ø 76 mm "Keep locked shut" sign	<b>SSS</b>	8511221



### AR902

Product ref.	Article description	Finish	Article no.
<b>AR902-SSS</b>	Ø 76 mm "Fire door keep shut" sign	<b>SSS</b>	8511284



### AR915

Product ref.	Article description	Finish	Article no.
<b>AR915-SSS</b>	Ø 76 mm circular "Automatic fire door keep clear" sign	<b>SSS</b>	87105714



### ARRONE® Temporary Door Handle Lever Set

Easily fitted and removed, re-usable time after time

#### Features

- Can be used during construction process
- Can be used to protect hardware (fit the hardware at the end of the build)
- Can be used during transportation of doors (protecting damage to lever hardware)
- Can be used for decorating purposes
- Can be used as short term replacement
- Can be used on internal and external doors
- Resistant to varnish and paints
- Eliminates damage to locks where levers are not fitted during construction
- Contains re-cycled material
- Easily fitted and removed
- Re-usable time after time
- Cost effective
- No screws required to fix
- No tools needed to fit or remove

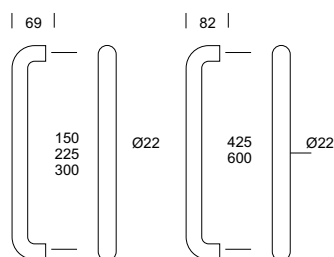
#### Finish

- Black

Product ref.	Article description	Finish	Article no.
<b>AR600 Temp-Lever</b>	Re-usable temporary lever set	<b>BL</b>	87127260



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## ARRONE® Grade 316 Stainless Steel Pull Handles

“D” shape pull handle, bolt fix

### Features

- Ø 22 mm diameter
- Supplied with two 8 mm x 75 mm countersunk bolts c/w allen key
- Including two clear Ø 19 mm flexible nylon washers for neck of pull handle
- 150 mm, 225 mm, 300 mm, 425 mm and 600 mm centres

### Standards and certification

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

### Finish

- Satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR3616/22/150BF-SSS</b>	22 mm x 150 mm bolt through fixing pull handle	<b>SSS</b>	87102812
<b>AR3616/22/225BF-SSS</b>	22 mm x 225 mm bolt through fixing pull handle	<b>SSS</b>	87102814
<b>AR3616/22/300BF-SSS</b>	22 mm x 300 mm bolt through fixing pull handle	<b>SSS</b>	87102816
<b>AR3616/22/425BF-SSS</b>	22 mm x 425 mm bolt through fixing pull handle	<b>SSS</b>	87104522
<b>AR3616/22/600BF-SSS</b>	22 mm x 600 mm bolt through fixing pull handle	<b>SSS</b>	87104524

Available on rose and other finishes on request




## ARRONE® Grade 316 Stainless Steel Pull Handles

“D” shape pull handle, back-to-back fix

### Features

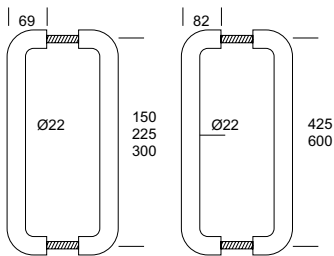
- Ø 22 mm diameter
- Supplied with two 8 mm back-to-back bolts
- These pull handles come complete with sleeve and washers for glass doors, which must be removed when used on timber doors
- 150 mm, 225 mm, 300 mm, 425 mm and 600 mm centres
- Door thickness: 37-57 mm

### Standards and certification

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

### Finish

- Satin stainless steel



Product ref.	Article description	Finish	Article no.
<b>AR3616/22/225BB-SSS</b>	22 mm x 225 mm back-to-back fixing pull handle	<b>SSS</b>	87102820
<b>AR3616/22/300BB-SSS</b>	22 mm x 300 mm back-to-back fixing pull handle	<b>SSS</b>	87102822
<b>AR3616/22/425BB-SSS</b>	22 mm x 425 mm back-to-back fixing pull handle	<b>SSS</b>	87104526
<b>AR3616/22/600BB-SSS</b>	22 mm x 600 mm back-to-back fixing pull handle	<b>SSS</b>	87104528

Available on rose and other finishes on request

## ARRONE® Grade 316 Stainless Steel Pull Handles

Front entrance “T” bar pull handle

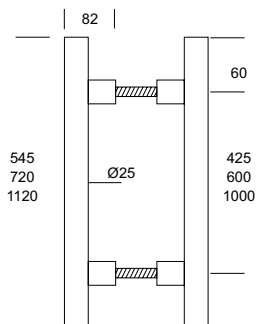
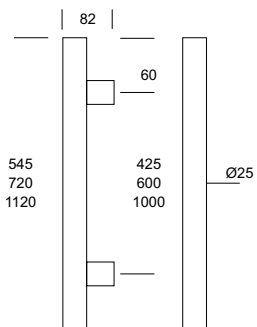
### Features

- **Ø 25 mm** diameter
- 425 mm, 600 mm and 1000 mm centres
- Handles up to 1000 mm have a 60 mm overhang from peg
- Available with bolt fix and back-to-back fix
- Pull handles with cranked collars available on request
- Back-to-back fixing door thickness: 37-57 mm

### Finish

- Satin stainless steel

Product ref.	Article description	Finish	Article no.
<b>AR3625/425BF-SSS</b>	25 mm x 425 mm front entrance straight pull handle bolt fix	<b>SSS</b>	87109053
<b>AR3625/600BF-SSS</b>	25 mm x 600 mm front entrance straight pull handle bolt fix	<b>SSS</b>	87109054
<b>AR3625/1000BF-SSS</b>	25 mm x 1000 mm front entrance straight pull handle bolt fix	<b>SSS</b>	87109055
<b>AR3625/600BB-SSS</b>	25 mm x 600 mm front entrance straight pull handle back-to-back fix	<b>SSS</b>	87109057
<b>AR3625/1000BB-SSS</b>	25 mm x 1000 mm front entrance straight pull handle back-to-back fix	<b>SSS</b>	87109058



## ARRONE® Grade 316 Stainless Steel Pull Handles

Front entrance "T" bar pull handle

### Features

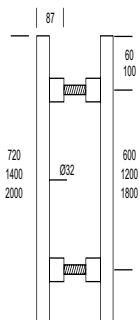
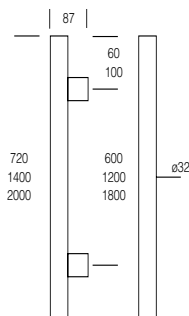
- Ø 32 mm diameter
- 2 point fixing
- 600 mm, 1200 mm and 1800 mm centres
- Handles up to 1000 mm have a 60 mm overhang from peg
- Handles over 1000 mm have a 100 mm overhang from peg
- Available with bolt fix and back-to-back fix
- Pull handles with cranked collars available on request
- Back-to-back fixing door thickness: 37-57 mm

### Finish

- Satin stainless steel



Product ref.	Article description	Finish	Article no.
<b>AR3626/600BF-SSS</b>	32 mm x 600 mm front entrance straight pull handle bolt fix	<b>SSS</b>	87109060
<b>AR3626/1200BF-SSS</b>	32 mm x 1200 mm front entrance straight pull handle bolt fix	<b>SSS</b>	87109061
<b>AR3626/1800BF-SSS</b>	32 mm x 1800 mm front entrance straight pull handle bolt fix	<b>SSS</b>	87109062
<b>AR3626/600BB-SSS</b>	32 mm x 600 mm front entrance straight pull handle back-to-back fix	<b>SSS</b>	87109063
<b>AR3626/1200BB-SSS</b>	32 mm x 1200 mm front entrance straight pull handle back-to-back fix	<b>SSS</b>	87109064
<b>AR3626/1800BB-SSS</b>	32 mm x 1800 mm front entrance straight pull handle back-to-back fix	<b>SSS</b>	87109065






## ARRONE® Grade 304 Stainless Steel Pull Handles

“D” shape pull handle

### Features

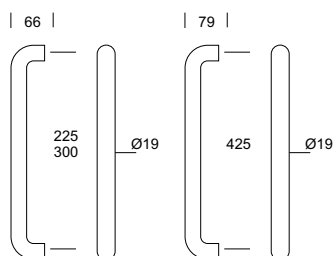
- $\varnothing$  19 mm diameter
- 225 mm, 300 mm and 425 mm centres
- Available with concealed fix, bolt fix and back-to-back fix
- Concealed fix in 6 mm deep rose
- Back-to-back fixing door thickness: 37-57 mm

### Standards and certification

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

### Finish

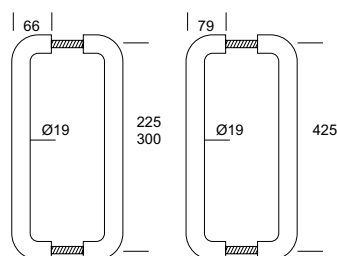
- Satin stainless steel



**AR9616** – bolt through fixing

Product ref.	Article description	Finish	Article no.
<b>AR9616/225BF-SSS</b>	19 mm x 225 mm bolt through fixing pull handle	<b>SSS</b>	87109380
<b>AR9616/300BF-SSS</b>	19 mm x 300 mm bolt through fixing pull handle	<b>SSS</b>	87109381
<b>AR9616/300BB-SSS</b>	19 mm x 300 mm back-to-back fixing pull handle	<b>SSS</b>	87109384

Available on rose on request



**AR9616** – back-to-back fixing











# HOPPE General Information and Product Range



# 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
<b>Brand attributes</b>	<ul style="list-style-type: none"> <li>distinguish all HOPPE products</li> <li>convey the brand promise:                             <ul style="list-style-type: none"> <li>– 10-year operational guarantee</li> <li>– Made in Europe</li> <li>– DIN EN ISO 14001 Environmentally-considerate manufacturing</li> </ul> </li> </ul>	 10-year operational guarantee
<b>Special attributes</b>	<ul style="list-style-type: none"> <li>underline a unique selling proposition or an essential additional benefit of the HOPPE brand product</li> </ul>	  
<b>Special logo</b>	<ul style="list-style-type: none"> <li>distinguishes HOPPE products that feature the HOPPE Compact System.</li> </ul>	
<b>Product attributes</b>	<ul style="list-style-type: none"> <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  Category of use grade 2 to DIN EN 13126-3  Fire-resistance tested to DIN 18273  Security set tested to DIN 18257 ES0 (ES1, ES2, ES3) (SK1, SK2, SK3)
<b>Certification marks</b>	<ul style="list-style-type: none"> <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



Made in Europe



DIN EN ISO 14001  
Environmentally-considerate  
manufacturing

Quick-FitPlus<sup>1</sup>

Secu100<sup>®1</sup>

SecuSignal<sup>®1</sup>

Sertos<sup>®1</sup>

Secu200<sup>®1</sup>

SecuTBT<sup>®1</sup>

Secustik<sup>®1</sup>

Secu100<sup>®1</sup>  
Secustik<sup>®1</sup>

SecuDuplex<sup>®1</sup>



Set for emergency exits to  
DIN EN 179



Maintenance-free



Stainless steel



Smoke proofness tested to  
DIN 18273



Adjustable spindle



Solid brass



Keyed locking



Renovation  
extra long + extra wide



Corrosion resistance  
EN 1670 (grade 4, grade 5)



Self-locking



Stainless steel 316  
Very high corrosion resistance



Easy operation



All security door handle sets certified  
according to DIN 18257



All security door handle sets certified  
according to DIN 18257



## HOPPE's operational guarantee

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

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 operational guarantee**, 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 for door handles in DIN EN 1906 necessitating durability tests with various test cycles.

- **Grade 6:**

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

- **Grade 7:**

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

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

HOPPE test criteria	
<b>182,500</b> operational test cycles	<b>on the door</b>
<b>255,500</b> operational test cycles	<b>on the door</b>

## 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.

HOPPE test criteria	
<b>15,000</b> operational test cycles	<b>on the window</b>

## Guarantee

### Guarantee:

As manufacturer, we guarantee, under the conditions set forth below, the durability of properly-used HOPPE hardware, over and above the seller's legal liability for material defects. The guarantee applies to the function of HOPPE door and window hardware and includes all defects which can be proved to have been caused through fault in manufacturing or material.

The operational guarantee includes the following features:

- transfer of the rotary motion to the door lock or the window turn-/tilt-hardware
- locking mechanism (in the case of window handles with special functions: lockable, push-to-open, Secustik®)

### Guarantee Exclusions:

All interchangeable parts, such as screws, connecting spindles etc, are excluded from this guarantee. For electronic components applies the statutory guarantee of 24 months. Furthermore, no liability will be assumed for any damage caused through:

- unsuitable and improper use,
- incorrect or negligent treatment,
- the disregard of instructions for fitting or care, alterations and repair by the enduser or a third party,
- chemical or physical agents, where the surface has been improperly treated, for example by sharp-edged instruments,
- elements (door, window) and/or hardware parts (e.g. locks, hinges etc.) which do not work perfectly.

### Guarantee Conditions:

This guarantee relates, within the guarantee period, solely to either replacing the handle free of charge or to repairing same free of charge, on behalf of the original enduser, this decision being at HOPPE's discretion. Costs and expenses, postage and packaging and similar, as incurred by the complainant, shall not be reimbursed. Claim to guarantee shall only occur on presentation of the product itself and the receipt and shall not exceed the original purchase price.

### Guarantee period:

The guarantee period shall be for 10 years and shall begin on the day of purchase by the original enduser. In the event of any claim, complainants should address themselves directly to the seller or manufacturer presenting both the product and the receipt.

HOPPE Holding AG  
Via Friedrich Hoppe  
7537 Müstair

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

# SecuSan® – The new hygiene standard



## 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](http://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.

Prof. Dr. Reinier Mutters  
Institute for Medical Microbiology  
and Hygiene

University Hospital  
Gießen and Marburg GmbH  
Philipps University Marburg

**Certificate**  
regarding the antimicrobial effectiveness of SecuSan door and window handles  
from HOPPE Holding AG

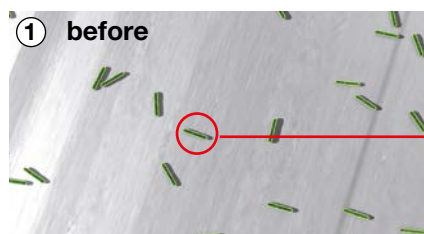
The effectiveness testing took place on the basis of the standards JS Z 2801:2000 and ISO 22196:2011 with the strains recommended by the German Society for Hygiene and Microbiology (Deutsche Gesellschaft für Hygiene und Mikrobiologie, DGHM).

<i>Staphylococcus aureus</i>	ATCC 6538
<i>Enterococcus faecium</i>	ATCC 6957
<i>Enterococcus faecalis</i>	DSM 5220
<i>Escherichia coli</i>	ATCC 12228
<i>Proteus mirabilis</i>	ATCC 14153
<i>Pseudomonas aeruginosa</i>	ATCC 15442
<i>Candida albicans</i>	ATCC 10251
<i>Aspergillus niger</i>	ATCC 16404

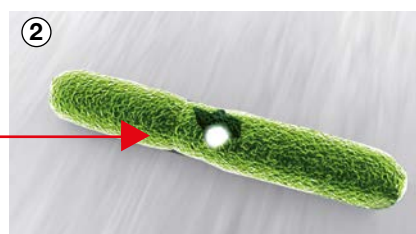
This is to certify that on SecuSan door and window handles, a significant and strong decrease in the deployed pathogens as representatives of typical infectious agents is achieved in accordance with the following log<sub>10</sub> stages:

	Reduction log <sub>10</sub>	Reduction %
Gram positive cocci		
<i>Staphylococcus aureus</i>	4.10	100
<i>Enterococcus faecium</i>	1.84	98.5
<i>Enterococcus faecalis</i>	2.51	99.7
Gram-negative enterobacteria		
<i>Escherichia coli</i>	2.75	99.8
<i>Proteus mirabilis</i>	2.34	99.2
Gram-negative non-fermenter		
<i>Pseudomonas aeruginosa</i>	3.46	99.9
Fungi		
<i>Candida albicans</i>	2.70	99.8
<i>Aspergillus niger</i>	1.90	98.7

This certificate expires 3 years after the date of issue.  
Marburg, 5 March 2012  
Prof. Dr. R. Mutters



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.

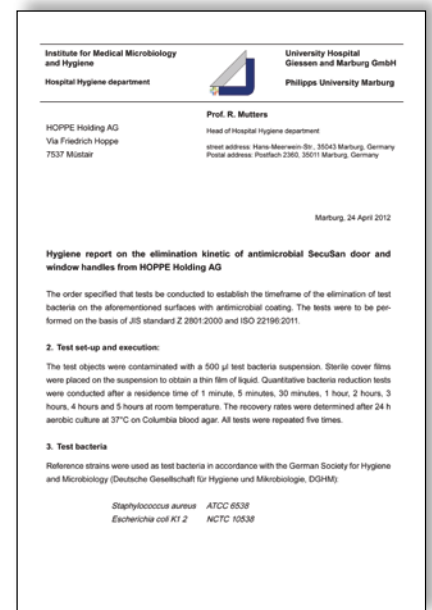
Certificate about the antimicrobial effectiveness of SecuSan®

## 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.



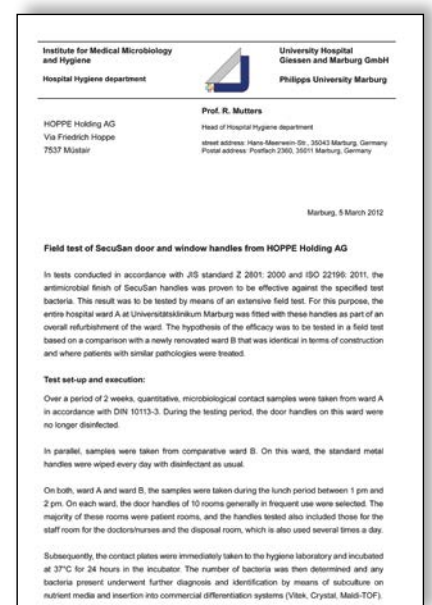
Hygiene report on the development of the antimicrobial effect of SecuSan® over time



## 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

# Material stainless steel

## Technical standards at HOPPE



### 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.

### Types of keyhole and distances

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

Sets for ...		Keyhole
Interior doors 	8 mm	 <b>OB</b> (oval standard keyhole)
		 <b>PZ</b> (profile cylinder)
Privacy doors 	8/8 mm	 <b>SK/OL</b> (external: slotted head/ internal: turn button)
		 <b>RW-SK/OL</b> (external: red-white-plate indicator/ internal: turn button)
Windows 	7 mm	-

## 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).

## 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](http://www.hoppe.com). If you have any questions please get in touch with your HOPPE contact person.

## 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
  - no tools needed for installation
  - play-free handle connection
  - long-lasting, firm fitting 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 1683933**  
U.S. patent no. **7,686,357**  
HOPPE Quick-Fit connection

Sertos®

PIVCERT

## Quickly put together – and taken apart again!

HOPPE has made the best even better: for category of use grade 4 – i. e. for commercial buildings – we have refined our fixed/movable Sertos® clip-in connection. A newly designed ball locking mechanism in the handle connection does not only ensure a certified higher durability (1,000,000 test cycles!), but also has another advantage: handles with the Sertos® ball locking mechanism are not just easily installed, they are also just as easily removed.

The extreme durability of the Sertos® clip in connection has been certified by the PIVCERT<sup>Plus</sup> test (DIN EN 1906 plus additional requirements) carried out by the Velbert testing institute. Interior door sets from category of use grade 4 as well as sets for fire doors, smoke doors and emergency exit doors were tested.

## Installation and removal made easy

Thanks to the new ball locking mechanism, handles with the Sertos® clip-in connection are not only easier to install, but can also be quickly removed from the door without the need for special tools. And this is how it works:



1 Place the base and tighten the screws



2 Clip on the roses



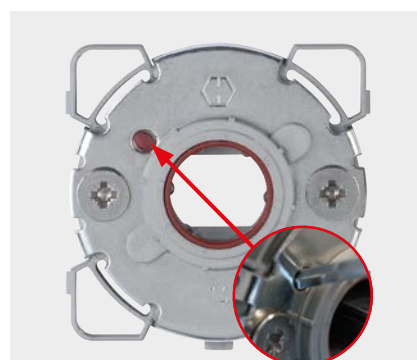
3 Insert the solid profile spindle



4 Put the door handles together and tighten the grub screw



5 Fitting is complete!



### For removal:

- Loosen and remove the grub screw and unclip the roses
- Press the removal spot to release the ball locking mechanism (use a hex key or a simple screwdriver)
- Remove the handles (possibly by making slight shaking movements)

Sertos® sets feature a high-quality, low-play solid profile spindle with a flat spring that has been hardened and slotted on both sides to compensate for tolerances in the lock follower as well as their own spring cassette.

## Secustik® – The window handle with the built-in security you can hear

Secustik® window handles contain a patented jamming-device which provides integrated security. This makes it more difficult to move the window fitting unlawfully from outside. It works by a coupling element acting as a sort of mechanical diode. This allows for normal use of the window handle from inside, but jams the handle if anyone tries to turn it from outside by way of the fitting. As the handle is turned through 180 degrees from the closed position to the tilt position, the jamming-device makes a series of clicks – proof of the **built-in security you can hear**.



Secustik®

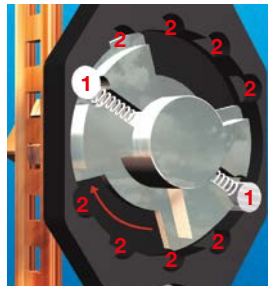


### This is how the typical Secustik® clicks are made

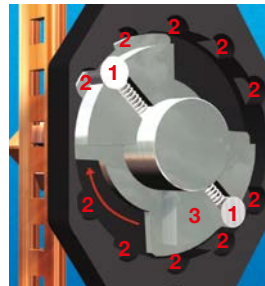


Patented blocking mechanism of the Secustik® window handle.

European Patent  
**EP 112150**  
Secustik®



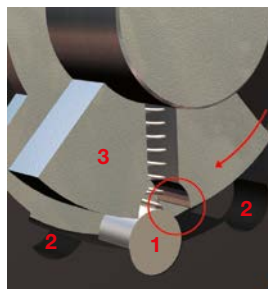
As the window handle is turned, the sprung security bolts ① click as they go over special notches ② in the housing, indicating the built-in security.



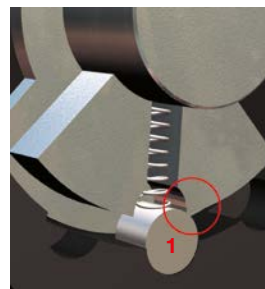
As the handle is turned, the security bolts ① are carried by the coupling element ③ to the individual notches ②, producing the clicking sound.

9

### This is how Secustik® technology effectively helps impede break-ins.



As a break-in is attempted, the security bolts ① are forced into special notches ② in the housing by a second coupling element ③.



It's in this position that the security bolts ① effectively impede the turning of the window handle from outside.

You can find a Secustik® film at **www.hoppe.com**. If you have any questions please get in touch with your HOPPE contact person.









Quick-Fit

## Amsterdam - E1400Z/42K/42KS

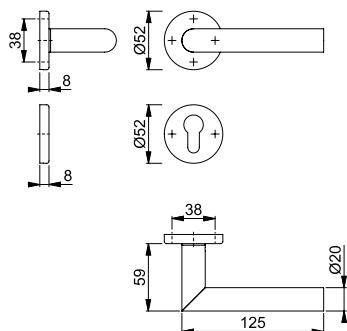
duraplus®

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
- Fixing: concealed, multi-purpose screws



Article description			Keyhole	F69	F69-S			P.U.	O.C.
				Article no.	Article no.				
Handle set	35-45	8		<b>3289541</b>	3750982			1	10
Handle set* (receiver - receiver components)	35-45	8		3278690				1	10
Handle set	40-45	8		3289655	3784699			1	10
Handle set without escutcheon (receiver - receiver components)	35-45	8		3289516				1	10



**\* Note:**

For door thicknesses different from the one shown in the table, please exchange the spindle.

To be used exclusively with **HOPPE spindles**.

The letter **S** in the finish code stands for SecuSan®, the antimicrobial surface.

SecuSan®

## Matching products for other applications, available upon request:



Quick-Fit

### Amsterdam - E58/42KV/42KVS/1400Z

Knob (pad)/handle set on rose with escutcheons for entrance doors  
Available finishes: **F69**, F69-S



Secustik®

### Amsterdam - E0400/US956

Secustik® window handle  
Available finishes: **F69**, F69-S



Sertos®

■ **Amsterdam - E1400/42H/42HKVS**





duraplus®

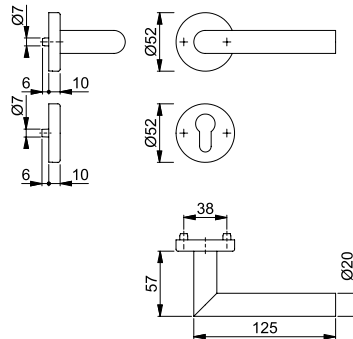


HOPPE stainless steel handle set on rose with escutcheons for interior doors:

- Tested to **DIN EN 1906: 47-0150A** and PIVCERT<sup>Plus</sup> (1,000,000 test cycles), handle set for commercial applications
- Bearing: sprung fixed/movable door handles, HOPPE **Sertos®** clip-in connection with ball locking mechanism, maintenance-free slide bearing
- Connection: hardened HOPPE solid profile spindle
- Base: steel for handle roses, nylon for escutcheons, supporting lugs
- Fixing: concealed, bolt-through; M5 thread screws for handle roses; multi-purpose screws for escutcheons, alternate



Article description			Keyhole	F69	F69-S			P.U.	O.C.
				Article no.	Article no.				
Handle set with Sertos® clip-in connection	40-45	8		<b>10719730</b>	10719756			1	10
	40-45	8		10719764	10719772			1	10



The letter **S** in the finish code stands for SecuSan®, the antimicrobial surface.

SecuSan®



Quick-Fit

## ■ Bonn - E150Z/42K/42KS

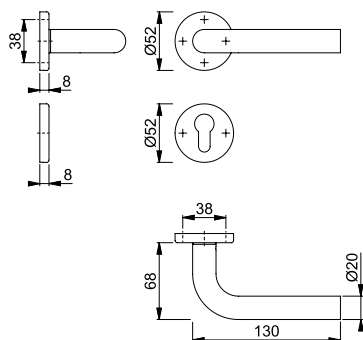
duraplus®

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
- Fixing: concealed, multi-purpose screws



Article description	F69	Keyhole	F69		P.U.	O.C.
			Article no.			
Handle set	35-45	8		3289938	1	10
	37-47	8		<b>3289954</b>	1	10
Handle set* (receiver - receiver components)	35-45	8		3278788	1	10
Handle set	40-45	8		3289410	1	10
		5-8				
Handle set without escutcheon	35-45	8		3404537	1	10



**\* Note:**

For door thicknesses different from the one shown in the table, please exchange the spindle.

To be used exclusively with **HOPPE spindles**.

## Matching products for other applications, available upon request:



Secustik®

## ■ Bonn - E050/US956

Secustik® window handle  
Available finish: **F69**



Sertos®





■ **Bonn - E150/42H/42HKVS**

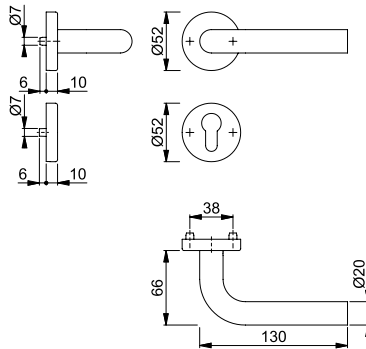
HOPPE stainless steel handle set on rose with escutcheons for interior doors:

- Tested to **DIN EN 1906: 47-0150A** and **PIVCERTPlus** (1,000,000 test cycles), handle set for commercial applications
- Bearing: sprung fixed/movable door handles, HOPPE **Sertos®** clip-in connection with ball locking mechanism, maintenance-free slide bearing
- Connection: hardened HOPPE solid profile spindle
- Base: steel for handle roses, nylon for escutcheons, supporting lugs
- Fixing: concealed, bolt-through; M5 thread screws for handle roses; multi-purpose screws for escutcheons, alternate

duraplus®



Article description			Keyhole	F69			P.U.	O.C.
				Article no.				
Handle set with Sertos® clip-in connection	40-45	8		<b>10719836</b>			1	10
	40-45	8		10719844			1	10



## Dallas - E1643Z/52K/52KS

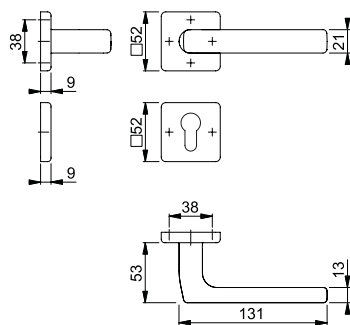
HOPPE stainless steel handle set on rose with escutcheons for interior doors:

- 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
- Fixing: concealed, multi-purpose screws



Quick-Fit

Article description			Keyhole	F69			P.U.	O.C.
				Article no.				
Handle set	35-45	8		3676971			1	10
Handle set* (receiver - receiver components)	35-45	8		<b>3676997</b>			1	10
Handle set	40-45	8			3677113		1	10
					3703051		1	10
Handle set without escutcheon	35-45	8		3632986			1	10



**\* Note:**

For door thicknesses different from the one shown in the table, please exchange the spindle.

To be used exclusively with **HOPPE spindles**.

### Matching products for other applications, available upon request:



Secustik®

## Dallas - E0643/US944

Secustik® window handle

Available finish: **F69**



Sertos®





■ **Dallas - E1643/52/52KVS**

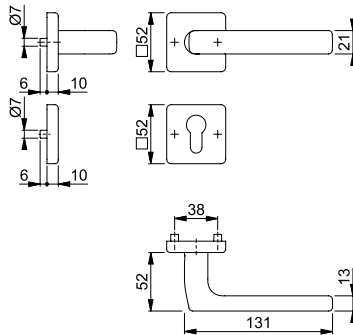
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- Base: steel for handle roses, nylon for escutcheons, supporting lugs
- Fixing: concealed, bolt-through; M5 thread screws for handle roses; multi-purpose screws for escutcheons, alternate

duraplus®



Article description			Keyhole	F69				P.U.	O.C.
				Article no.					
Handle set with Sertos® clip-in connection	40-45	8		<b>10721725</b>				1	10
	40-45	8		10721733				1	10



## ■ Detroit - E1644Z/52K/52KS

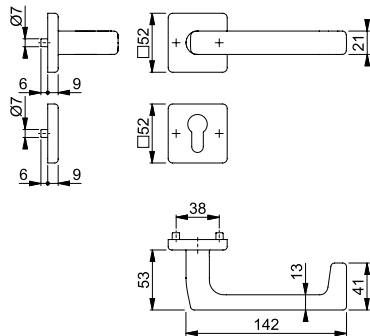


Quick-Fit

- 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
  - Fixing: concealed, multi-purpose screws



Article description			Keyhole	F69			P.U.	O.C.
				Article no.				
Handle set	35-45	8		3677308			1	10
Handle set* (receiver - receiver components)	35-45	8		<b>3677324</b>			1	10
Handle set	40-45	8			3677332		1	10
					3703035		1	10



**\* Note:**

For door thicknesses different from the one shown in the table, please exchange the spindle.

To be used exclusively with **HOPPE spindles**.

## Matching products for other applications, available upon request:



Quick-Fit

## ■ Detroit - E43/52KV/52KVS/1644Z

Knob (pad)/handle set on rose with escutcheons for entrance doors  
Available finish: **F69**





Sertos®





■ **Detroit - E1644/52/52KVS**

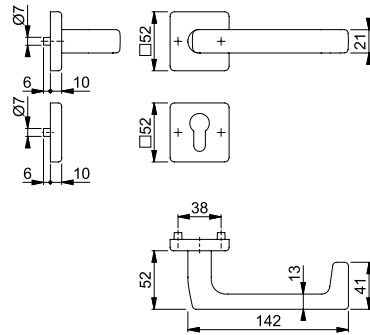
HOPPE stainless steel handle set on rose with escutcheons for interior doors:

- Tested to **DIN EN 1906: 47-0150A** and **PIVCERTPlus** (1,000,000 test cycles), handle set for commercial applications
- Bearing: sprung fixed/movable door handles, HOPPE **Sertos®** clip-in connection with ball locking mechanism, maintenance-free slide bearing
- Connection: hardened HOPPE solid profile spindle
- Base: steel for handle roses, nylon for escutcheons, supporting lugs
- Fixing: concealed, bolt-through; M5 thread screws for handle roses; multi-purpose screws for escutcheons, alternate

duraplus®



Article description			Keyhole	F69			P.U.	O.C.
				Article no.				
Handle set with Sertos® clip-in connection	40-45	8		<b>10721696</b>			1	10
	40-45	8		10721709			1	10



## ■ Karlstad - E1141Z/42K/42KS





duraplus®

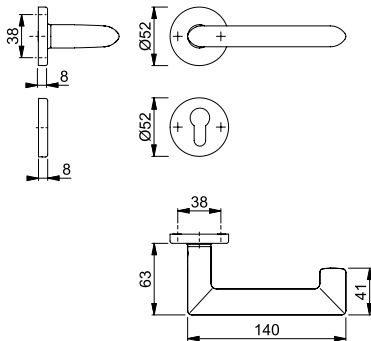


Quick-Fit

- 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
  - Fixing: concealed, multi-purpose screws



Article description			Keyhole	F69				P.U.	O.C.
				Article no.					
Handle set	37-47	8		<b>on request</b>				1	10
	40-45	8 5-8		on request				1	10





Sertos®





■ **Karlstad - E1141/42H/42HKVS**

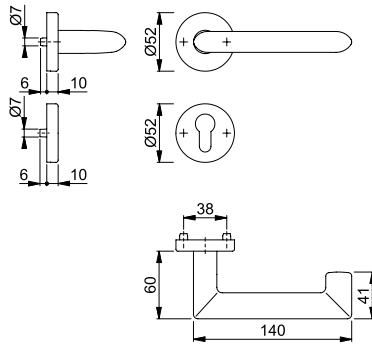
HOPPE stainless steel handle set on rose with escutcheons for interior doors:

- Tested to **DIN EN 1906: 47-0150A** and **PIVCERTPlus** (1,000,000 test cycles), handle set for commercial applications
- Bearing: sprung fixed/movable door handles, HOPPE **Sertos®** clip-in connection with ball locking mechanism, maintenance-free slide bearing
- Connection: hardened HOPPE solid profile spindle
- Base: steel for handle roses, nylon for escutcheons, supporting lugs
- Fixing: concealed, bolt-through; M5 thread screws for handle roses; multi-purpose screws for escutcheons, alternate

duraplus®



Article description			Keyhole	F69	F69-S			P.U.	O.C.
				Article no.	Article no.				
Handle set with Sertos® clip-in connection	40-45	8		<b>10719887</b>	10719895			1	10
	40-45	8		10719916	10719924			1	10



The letter **S** in the finish code stands for SecuSan®, the antimicrobial surface.

SecuSan®



Quick-Fit

## Marseille - E1138Z/42K/42KS

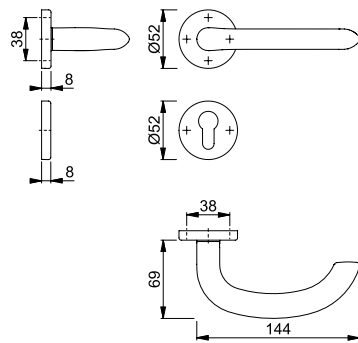
duraplus®

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
- Fixing: concealed, multi-purpose screws



Article description	35-45	8	Keyhole	F69	F69-S			P.U.	O.C.
				Article no.	Article no.				
Handle set	35-45	8		<b>3058048</b>	3750798			1	10
Handle set* (receiver - receiver components)	35-45	8		3058161				1	10
Handle set	40-45	8		3058216				1	10
						3784630			
Handle set without escutcheon	35-45	8		3848998				1	10



**\* Note:**

For door thicknesses different from the one shown in the table, please exchange the spindle.

To be used exclusively with **HOPPE spindles**.

The letter **S** in the finish code stands for SecuSan®, the antimicrobial surface.

SecuSan®

## Matching products for other applications, available upon request:



Quick-Fit

### Marseille - E58/42KV/42KVS/1138Z

Knob (pad)/handle set on rose with escutcheons for entrance doors

Available finishes: **F69**, F69-S



Secustik®

### Marseille - E0138/US956

Secustik® window handle

Available finishes: **F69**, F69-S



Sertos®





■ **Marseille - E1138/42H/42HKVS**

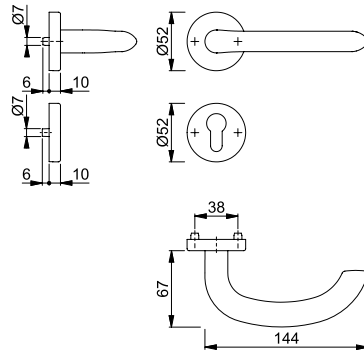
HOPPE stainless steel handle set on rose with escutcheons for interior doors:

- Tested to **DIN EN 1906: 47-0150A** and **PIVCERTPlus** (1,000,000 test cycles), handle set for commercial applications
- Bearing: sprung fixed/movable door handles, HOPPE **Sertos®** clip-in connection with ball locking mechanism, maintenance-free slide bearing
- Connection: hardened HOPPE solid profile spindle
- Base: steel for handle roses, nylon for escutcheons, supporting lugs
- Fixing: concealed, bolt-through; M5 thread screws for handle roses; multi-purpose screws for escutcheons, alternate

duraplus®



Article description			Keyhole	F69	F69-S			P.U.	O.C.
				Article no.	Article no.				
Handle set with Sertos® clip-in connection	40-45	8		<b>10719991</b>	10720001			1	10
	40-45	8		10720010	10720028			1	10



The letter **S** in the finish code stands for SecuSan®, the antimicrobial surface.

SecuSan®



Quick-Fit

## Paris - E138Z/42K/42KS

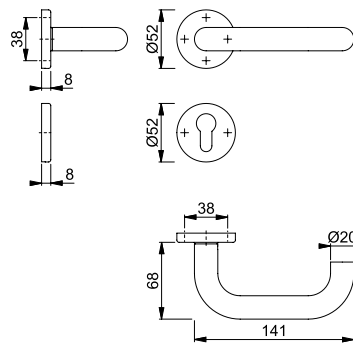
duraplus®

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
- Fixing: concealed, multi-purpose screws



Article description	Quick-Fit	Keyhole	F69	F69-S	P.U.	O.C.
			Article no.	Article no.		
Handle set	35-45	8	<b>3290162</b>	3751361	1	10
Handle set* (receiver - receiver components)	35-45	8	3278921		1	10
Handle set	40-45	8 5-8	3290154	3784681	1	10
Handle set without escutcheon	35-45	8	3497622		1	10
	45-55	8	3510479		1	10



**\* Note:**

For door thicknesses different from the one shown in the table, please exchange the spindle.

To be used exclusively with **HOPPE spindles**.

The letter **S** in the finish code stands for SecuSan®, the antimicrobial surface.

SecuSan®

## Matching products for other applications, available upon request:



Quick-Fit

### Paris - E58/42KV/42KVS/138Z

Knob (pad)/handle set on rose with escutcheons for entrance doors

Available finishes: **F69**, F69-S



Secustik®

### Paris - E038/US956

Secustik® window handle

Available finishes: **F69**, F69-S



Sertos®





■ **Paris - E138/42H/42HKVS**

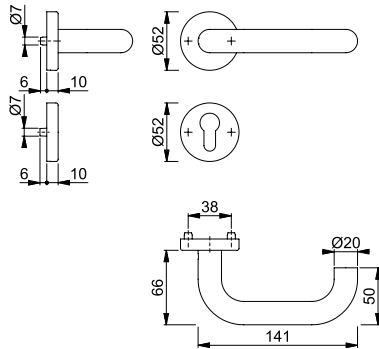
HOPPE stainless steel handle set on rose with escutcheons for interior doors:

- Tested to **DIN EN 1906: 47-0150A** and **PIVCERTPlus** (1,000,000 test cycles), handle set for commercial applications
- Bearing: sprung fixed/movable door handles, HOPPE **Sertos®** clip-in connection with ball locking mechanism, maintenance-free slide bearing
- Connection: hardened HOPPE solid profile spindle
- Base: steel for handle roses, nylon for escutcheons, supporting lugs
- Fixing: concealed, bolt-through; M5 thread screws for handle roses; multi-purpose screws for escutcheons, alternate

duraplus®



Article description			Keyhole	F69	F69-S			P.U.	O.C.
				Article no.	Article no.				
Handle set with Sertos® clip-in connection	40-45	8		<b>10720061</b>	10720079			1	10
	40-45	8		10720087	10720167			1	10



The letter **S** in the finish code stands for SecuSan®, the antimicrobial surface.

SecuSan®



## ■ E42KS

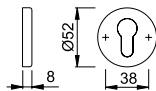
duraplus®

HOPPE stainless steel escutcheon pair for interior doors:

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



Article description	Keyhole	F69			P.U.	O.C.
		Article no.				
Escutcheon, pair		<b>600700</b>			5	20



## ■ E42KS

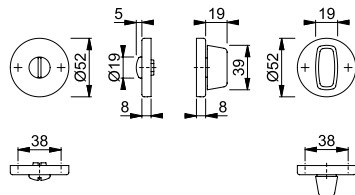
duraplus®

HOPPE stainless steel escutcheon pair with emergency release/turn for bathroom/WC doors:

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



Article description	Keyhole	F69			P.U.	O.C.
		Article no.				
Escutcheon, pair		<b>662326</b>			5	20



## ■ E42KS

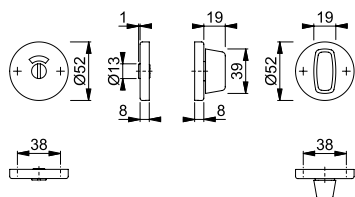
duraplus®

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

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



Article description	Keyhole	F69			P.U.	O.C.
		Article no.				
Escutcheon, pair		<b>1855810</b>			5	20





## ■ E5000 – E5010

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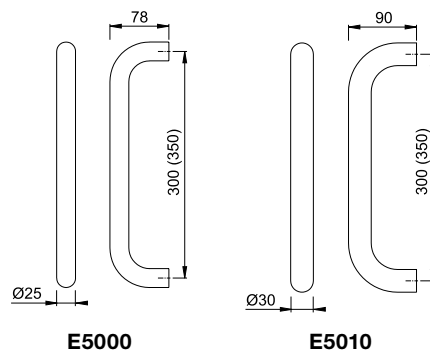


HOPPE stainless steel straight pull handle:

- Fixing: concealed, pull handle fixing system no. 11



Article description	Pull handle Ø	Distance	F69				P.U.	O.C.
			Article no.					
Pull handle E5000, piece	25	300	553648				1	5
		350	602551				1	5
Pull handle E5010, piece	30	300	556144				1	5
		350	602599				1	5



Included fixing systems:



BS-1102

Fixing systems for pull handles see on pages 158-160.

## ■ E5100 – E5110

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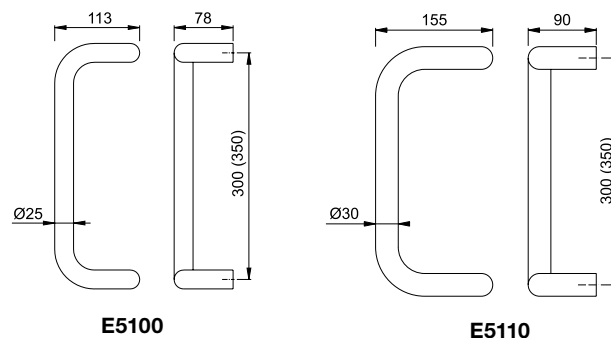
9

HOPPE cranked stainless steel pull handle:

- Fixing: concealed, pull handle fixing system no. 11



Beschreibung	Pull handle Ø	Distance	F69				P.U.	O.C.
			Article no.					
Pull handle, E5100, piece	25	300	<b>602575</b>				1	5
		350	556090				1	5
Pull handle, E5110, piece	30	300	602605				1	5
		350	610563				1	5



Included fixing systems:



BS-1102

Fixing systems for pull handles see on pages 158-160.

## ■ E5011

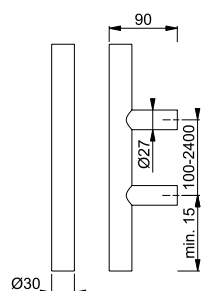
duraplus®

HOPPE stainless steel bar-shaped pull handle:

- Supports: round, straight
- Fixing: concealed, pull handle fixing system no. 11



Article description	Pull handle Ø	Length/ Distance	F69				P.U.	O.C.
			Article no.					
Pull handle, piece	30	400/300	<b>6520605</b>				1	5
		500/300	2010595				1	5
		600/400	2010624				1	5
		800/560	2010632				1	5
		1000/700	2010659				1	5
		1200/900	2010974				1	5
		1400/1000	2010982				1	5
		1600/1200	2011029				1	5
		1800/1300	2011037				1	5



Special lengths on request. Surcharge for special lengths per started 100 mm. **When ordering pull handles of special lengths please indicate exact lengths of handle required and the distance! (necessary for the positioning of the supports).**

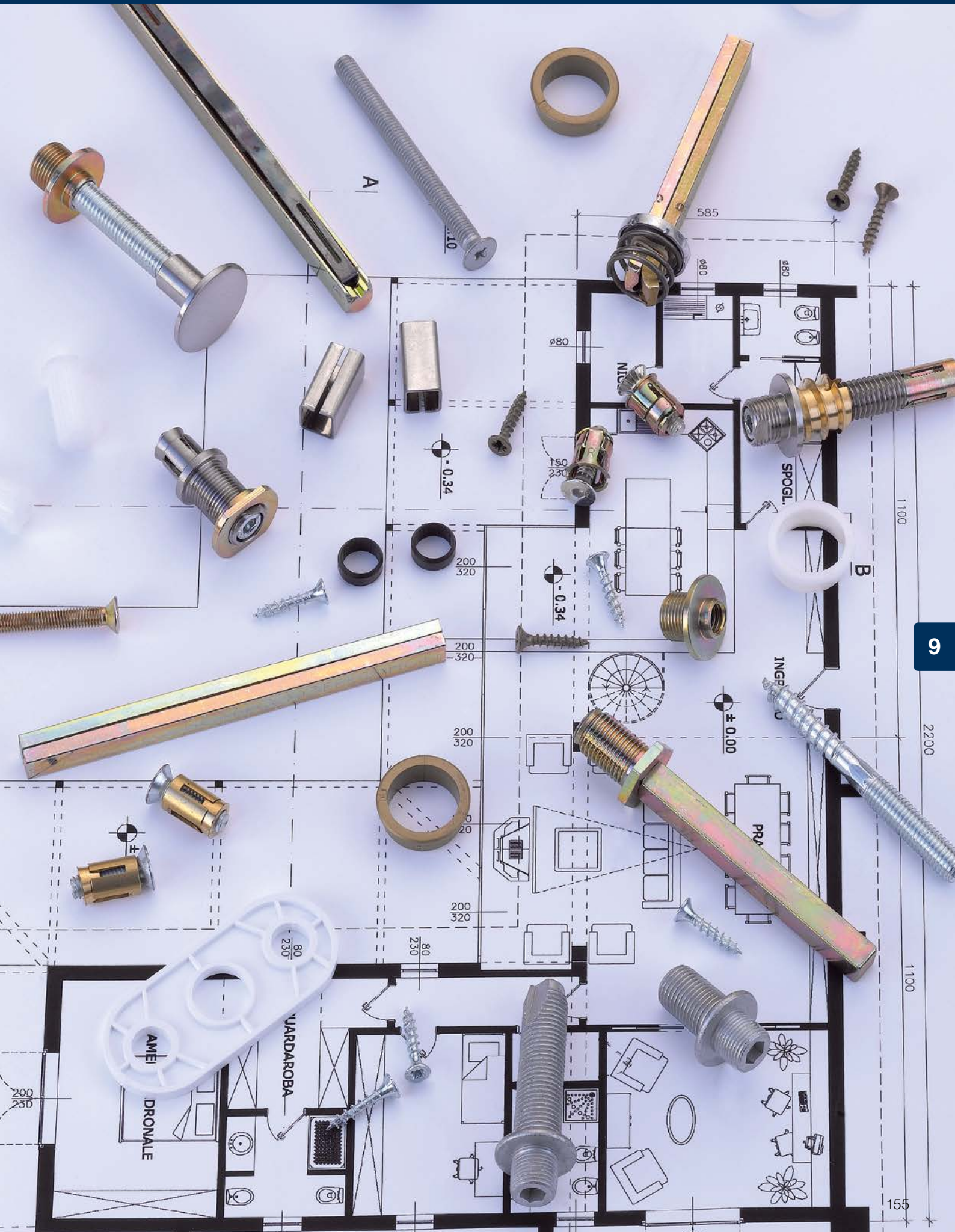
Also available with several supports.

### Included fixing systems:



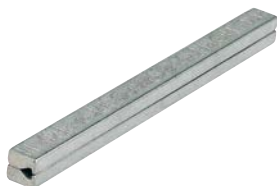
BS-1102


Fixing systems for pull handles see on pages 158-160.



## Profile spindle

HOPPE iron profile spindle:




Article description			Length	zinc-plated				P.U.	O.C.
				Article no.					
Profile spindle, piece		8	100	<b>517572</b>				10	10
			110	517596				10	10
			120	517565				10	10
			130	672578				10	10
			140	517589				10	10
			150	693078				10	10
			160	519200				10	10

## Expanding spindle

HOPPE iron expanding efha-spindle:

- With efha slot
- For entrance doors drilled on one side
- For aluminium, stainless steel, nylon and brass half sets
- Suitable also for **HOPPE Quick-Fit connection**



Article description			Length	zinc-plated				P.U.	O.C.
				Article no.					
Expanding spindle, piece		8	45	1683894				10	10
			55	<b>518524</b>				10	10
			65	518531				10	10
			75	518555				10	10
			85	771967				10	10
			95	3532192				10	10



## FDW-Profile spindle

HOPPE iron profile FDW-spindle:

- Exclusively for knobs (pads) on backplates and knob (pad)/handle sets with knob

Article description	Thread	8	Length	zinc-plated				P.U.	O.C.
				Article no.					
FDW-Profile spindle with thread, piece	M12	8	100	<b>823246</b>				10	10
			120	823277				10	10
			140	820849				10	10



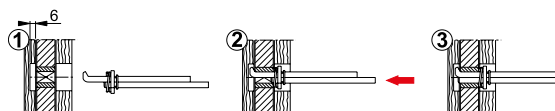
## F/Ei-Profile spindle

HOPPE iron profile FEI-spindle:

- For lock follower depths of between 12-16 mm
- For entrance doors drilled on one side
- For half sets in aluminium (8 mm spindle variant only), stainless steel, nylon and brass

Article description		8	Length	zinc-plated				P.U.	O.C.
				Article no.					
F/Ei-Profile spindle, for doors drilled from one side only, piece		8	70	<b>515073</b>				10	10
			90	515066				10	10

### Installation of F/Ei-Profile spindle



## Fixing set for knobs

HOPPE iron fixing set:

- For one-side fixing of knobs (pads) on rose

Article description	Ø	8	Length	zinc-plated				P.U.	O.C.
				Article no.					
Fixing set for knobs	50	8	34	<b>2839993</b>				10	10


# Fixing systems for pull handles

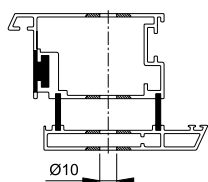


## Fixing system no. 5 for pull handles

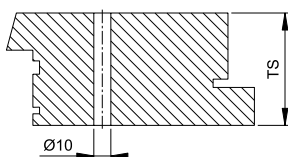
HOPPE pull handle fixing system no. 5:

- For back-to-back fixing to aluminium, wood and PVC doors

Article description				Ø 25, 30			P.U.	O.C.
				Article no.				
BS-501/B, piece	37-47			<b>600168</b>			1	10
BS-502/B, piece	47-57			763870			1	10
BS-503/B, piece	57-67			646753			1	10
BS-504/B, piece	67-77			649808			1	10



aluminium profile



wood profile

### Attention:


1 fixing system (piece) per fixing point  
= 2 fixing systems per pull handle.

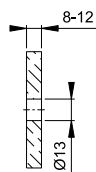


## Fixing system no. 7 for pull handles

HOPPE pull handle fixing system no. 7:

- For back-to-back fixing to glass doors

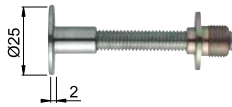
Article description				Ø 25, 30			P.U.	O.C.
				Article no.				
BS-701/B, piece	8-12			<b>573585</b>			1	10



glass door

### Attention:

1 fixing system (piece) per fixing point  
= 2 fixing systems per pull handle.

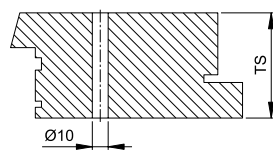


### Fixing system no. 8 for pull handles

HOPPE pull handle fixing system no. 8:

- For one-side fixing with blind rose to aluminium, wood and PVC doors

Article description		Covercap Ø	F69				P.U.	O.C.
			Article no.					
BS-810/B, piece	37-47	25	<b>6808521</b>				1	10
BS-811/B, piece	47-57	25	829316				1	10
BS-812/B, piece	57-67	25	820641				1	10
BS-813/B, piece	67-77	25	6808562				1	10



profile

**Attention:**

1 fixing system (piece) per fixing point  
= 2 fixing systems per pull handle.

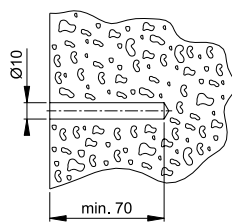


### Fixing system no. 10 for pull handles

HOPPE pull handle fixing system no. 10:

- For one-side fixing to walls

Article description				Ø 25, 30				P.U.	O.C.
				Article no.					
BS-1001/B, piece				<b>763009</b>				1	10



wall

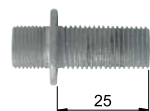
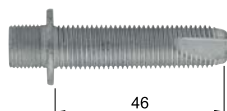
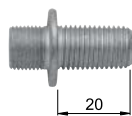
**Attention:**

1 fixing system (piece) per fixing point  
= 2 fixing systems per pull handle.

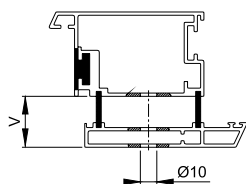
## Fixing system no. 11 for pull handles

HOPPE pull handle fixing system no. 11:

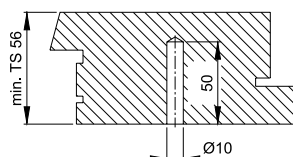
- For one-side fixing to aluminium, wood and PVC doors in the mortise area (please observe deviating pre-chamber [V] dimensions for PVC profiles)



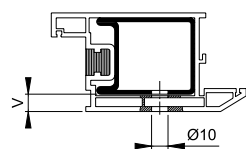
Article description	threaded length	V-measure Nylon profiles	Article no.				P.U.	O.C.
BS-1101/short, piece	20	11-16	<b>1841717</b>				1	10
BS-1102/long, piece	46	-	1841733				1	10
BS-1103/middle, piece	25	21-26	2149116				1	10



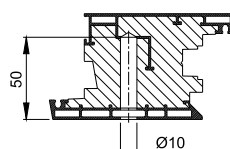
aluminium profile



wood profile



PVC profile



Pural profile





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## **§ 1 General – Extent of application**

- 1.** Our General Terms and Conditions of Sale shall apply exclusively; we do not recognise customers' conditions which are contrary to or different from our General Terms and Conditions of Sale, unless we have expressly agreed in writing that they shall apply. Our General Terms and Conditions of Sale shall even apply in cases in which we make delivery to the customer unreservedly although we are aware that there are conditions of the customer which are contrary to or different from our General Terms and Conditions of Sale.
- 2.** All agreements made between us and the orderer, for the purpose of the execution of this contract, shall be laid down in writing in this contract.
- 3.** Our General Terms and Conditions of Sale shall apply only to merchants.
- 4.** Our General Terms and Conditions of Sale shall also apply to all future business transactions with the customer, even if in such future cases no specific reference is made to the application of these General Terms and Conditions of Sale.

## **§ 2 Offer – Offer documents**

- 1.** All offers made on our behalf are subject to confirmation by us in every respect.
- 2.** We shall retain ownership and copyright of diagrams, drawings, calculations and other documents; they may not be made available to third parties. This applies especially to those written documents which are labelled "confidential". The customer shall require our written agreement before passing them to third parties.

## **§ 3 Confirmation**

- 1.** Orders shall only be regarded as binding by us once they have been confirmed in writing or electronically.
- 2.** For our part, contestability due to error shall still be deemed to be timely when there has been an appropriate period of time since the discovery of the reason for contestation and not immediately following such discovery.

## **§ 4 Prices**

- 1.** Unless stated otherwise in the order confirmation, our prices shall apply "ex works" exclusive of packaging for transport; the latter shall be invoiced separately.
- 2.** HOPPE reserves the right to adjust prices even after conclusion of contract, if cost increases caused by raw material prices or union agreements cannot be absorbed.
- 3.** Statutory value added tax is not included in our prices; it will be shown separately in the invoice at the statutory rate applicable on the date of invoicing.

## § 5 Dispatch

1. If the goods are dispatched to the customer at his request, the customer shall assume the risk of accidental loss or deterioration of the goods at the latest at the time the goods leave the works/warehouse. If the goods are ready for dispatch and the dispatch or acceptance are delayed for reasons for which the purchaser is responsible, then the risk shall be assumed by the purchaser from the date of receipt of notice that the goods are ready for dispatch.

2. The purchaser shall bear the transport costs; packaging is invoiced at cost price and is nonreturnable.

## § 6 Payment

1. In line with market customs. Other methods of payment shall require the written form. No discount on new invoices shall be allowed if older invoices have not yet been paid in full.

2. If counterclaims are not established by way of a final judgment of a court of competent jurisdiction or are not accepted by us, the customer may neither set off nor assert the right to withhold payment with regard to these claims. Moreover, he may exercise his right to withhold payment only if his counterclaim rests on the same contractual relationship.

3. If payment is delayed, interest payable on arrears shall be invoiced at the appropriate bank rates of interest. All payments shall be made exclusively to us. Bills of exchange shall be accepted only on account of performance without guarantee for protest and only subject to our prior consent and further provided that they are eligible for discount. Discounting charges shall be calculated from the due date of the amount invoiced. All our claims – including those for which we have accepted bills of exchange in payment – shall fall due immediately, if the terms of payment are not adhered to or if, upon conclusion of the contract, we become aware of clear indications of the purchaser's diminished credit-worthiness. Moreover, in such a case, we shall be entitled to refuse further performance due on our part until payment has been effected or security has been provided for it. We may also prohibit the resale of the goods delivered under reservation of ownership and may demand their return.

## § 7 Delivery period, act of God, industrial action

1. Agreed or informed delivery times shall be adhered to as far as possible, but are not binding.

2. If the supplier is hindered in fulfilling his obligations by the emergence of unforeseen circumstances, which, notwithstanding his reasonable care as required by the circumstances of the case, he could not prevent, e.g. breakdown, delay in the supply of essential raw materials and building materials, the delivery period shall be extended to an appropriate extent provided that it is still possible to perform the delivery or the service. The same shall apply if we ourselves are affected by such events. If the delivery or the service is not possible because of the above-mentioned circumstances, we shall be released from the obligation to deliver. The same shall apply in the event of a strike or lockout. If the delivery period is extended in these 3 cases or if the supplier is released from the obligation to deliver, any claims for damages that the purchaser may base thereon shall cease. If the above-mentioned

circumstances affect the purchaser, the same legal consequences shall also apply to his obligation to purchase.

**3.** It shall be the duty of the contract partner affected by the hindrances as mentioned in the previous paragraph to inform the other contract partner forthwith. No legal action resulting in possible benefit shall be entered into if this is not done.

## **§ 8 Notification of defects, liability in particular with respect to defects and returned goods.**

**1.** Our liability for defects assumes that the orderer has complied properly with the conditions of sale pertaining to requirement to examine and notify defect. It shall be the duty of the orderer to notify us in writing of any defects within a period of five days following receipt in the case of recognisable defects and immediately upon discovery in the case of unrecognisable mistakes.

**2.** In cases of justified complaint, we maintain the right to decide to rectify the defect or provide alternative goods. Claims on behalf of the orderer in respect of required expenses pertaining to the making good of the complaint, especially transport-, means-, work- and material-costs, are excluded, in so far as the expenses increase as a result of the subsequent delivery of an item to a location other than that of the place of business of the orderer, unless (such delivery) complies with use in accordance with the requirements.

The orderer shall be required to set out an appropriate timetable with right of rejection before further rights are called into force. This shall be invalid if we have previously expressly rejected making good. Should the matter to be delivered be only in kind, then any of claims for compensation whatsoever, independent of guilt, shall be ruled out. Furthermore, we shall only be responsible for such claims where cases of gross negligence or intention are proven.

This limitation is not valid in cases of damage in relation to injury to life, body or health, caused through gross negligent breach of duty on our part or a deliberate or negligent breach of duty on the part of a legal representative or accessory. Neither shall it be valid in cases where any other damage is caused through gross negligent breach of duty on our part, or a deliberate or gross negligent breach of duty on the part of a legal representative or accessory.

**3.** The validation of claims resulting from quality or durability guarantees shall have force only if such a guarantee has been issued expressly by us in writing. In the case of claims under the guarantee, it is the duty of the orderer to provide us with appropriate items from the consignment immediately so that examination can be made.

**4.** Any claim in respect of defects shall expire two years after delivery. Limitation shall be extended by means of a written explanation by the orderer making a claim to such time as making good on our part be refused in writing, whereby access to the written explanation by the other contact partner shall be of prime importance.

**5.** In the case of obligation to pay damages as a result of a breach of contractual duty on our part, the claim shall be restricted to the cover of the costs of the product liability insurance. This restriction shall not apply in the case of damages in relation to life, body or health, which arise out of negli-

gent breach of duty on our part or out of an intentional or negligent breach of duty on the part of a legal representative or accessory. Neither shall it apply in the case of any other damage caused through gross negligence on our part or through deliberate or gross negligent breach of duty on the part of a legal representative or accessory.

**6.** In so far as our liability is excluded or limited, this shall also apply to the personal liability of our employees and other accessories.

**7.** Prior written consent is needed before goods can be returned from the customer. Should the goods be returned justifiably on account of defect in the goods supplied, then the customer may insist on agreement, if the said customer has a special interest in returning the goods.

## **§ 9 Deliveries**

**1.** Quantities ordered will be delivered in packaged units. It shall be deemed to be agreed that we shall be permitted to make under- and over-deliveries of up to 10% on customer-specific products, subject to manufacturing.

**2.** Partial deliveries for which invoices are issued shall be considered as separate contracts.

## **§ 10 Reservation of Title**

**1.** We reserve title to the goods until all payments due under the contract and these General Terms and Conditions of Sale have been made. In the event of behaviour on the part of the customer contrary to the terms of the contract, especially delay in payment, we shall be entitled to take the goods back. Our retrieval of the goods shall not constitute a termination of the contract unless we have expressly stated the same in writing. Seizure of the goods on our part however always constitutes termination of the contract. After retrieving the goods, we shall be entitled to use the same, the proceeds from such utilisation being taken into account against the liabilities of the customer after deduction of appropriate costs.

**2.** The customer shall be obliged to treat the goods with care. In particular he shall be obliged to sufficiently insure them at his own expense against fire, water damage and theft at their replacement value.

**3.** In the event of seizure or other interventions by third parties the customer shall inform us in writing without delay, so that we may take legal action. If the third party is not in a position to reimburse us for the legal and out of court costs of an action the customer shall be liable for the loss arising.

**4.** Any processing or conversion of the goods by the customer shall always be undertaken on our behalf. Where the goods are processed with other objects not belonging to us we shall thereby acquire co-ownership of the new object in the ratio of the value of the goods to the other processed objects at the time of processing. Moreover, the same conditions shall apply to the object created by processing as apply to the goods delivered under reservation of title.

**5.** Where the goods are mixed with objects not belonging to us we shall acquire co-ownership of the new objects in the ratio of the value of the goods to the other objects at the time of mixing. If the mixing occurs in such a way that the customer's object must be regarded as the main object it shall be

deemed as to us proportionately. The customer shall hold in safe-keeping for us such goods in sole ownership or co-ownership.

**6.** As security for our claims against the customer the latter shall assign to us any claims against a third party which may arise from the connection of the goods with a property.

**7.** We undertake to release at the request of the customer securities to which we are entitled, insofar as the value of our securities exceeds the claims to be secured by more than 20%; the choice of securities to be released shall rest with us.

## **§ 11 Cost of tools**

**1.** As a matter of principle the costs for tools shall be charged only in part and separately from the value of the goods. By paying part of the cost of the tools the customer shall not acquire any claim to the tools; the tools shall remain the property of the manufacturer and remain in his possession. The manufacturer undertakes to retain the tools for the customer for one year after the last delivery. If, before expiry of this period, the customer notifies that orders will be placed within a further year the period of safe-keeping will be extended for a further year. After this period and with no further orders being placed the manufacturer may freely dispose of the tools.

**2.** Costs for tools arising from orders which fail to come to fruition: For orders that are cancelled in the development stage (due to difficulties of design or conversion) or in the run-up period, we reserve the right to invoice the costs incurred. In this context, for release of the samples the costs incurred for the initial tools shall be invoiced. If cancellation occurs after the release of samples, the costs incurred for the entire extent of the standard tools, special equipment and gauges, depending on the anticipated monthly requirement, shall be invoiced.

**3.** If tools which are in the process of being produced are invoiced, they shall remain available for inspection for four weeks and shall be scrapped at the end of this period. In order to protect the processes applied, completed plans for work phases and construction drawings of the tools shall not be subject to inspection.

## **§ 12 Period of acceptance**

**1.** Where the purchaser is obliged to request delivery or collect the goods ordered within a certain period, we shall have the option, after expiry of that period, to terminate the contract or to issue an invoice.

## **§ 13 Destination, place of jurisdiction, applicable law**

**1.** Place of performance for all obligations arising from the contractual relationship shall be the head office of the Supplier.

**2.** Place of jurisdiction: place of jurisdiction for any dispute arising from the contractual relationship shall be CH-7000 Chur/GR.

**3.** Swiss law shall apply excluding the provisions of the Vienna Convention on the Sale of Goods.

**4. In the event of any dispute arising out of the interpretation of these general terms and conditions, the German language version shall be regarded as binding. Should any one of the provisions of this Agreement be or become legally invalid the validity of the remaining provisions hereof shall not be affected thereby. The Partners undertake instead to replace the invalid provision by another provision which shall to the greatest extent possible correspond to the spirit and the economic effect of the invalid provision. By analogy, the Partners shall correct any provisions hereof which are unclear or may be construed or interpreted in different ways, or add any provisions which may have been omitted, which correction and addition of provisions the Partners undertake to execute amicably and by mutual agreement, maintaining the spirit of the entire set of Agreements.**







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NP  
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