



a brand of **HOPPE**  **GROUP**

ARRONE

Panic and Emergency Exit Hardware

Quick Guide

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Why **ARRONE**?

ARRONE is a brand name of HOPPE Group that offers a comprehensive range of quality architectural door and window hardware and accessories. ARRONE panic and emergency exit hardware is manufactured in the UK by HOPPE. Other ARRONE products are produced by leading manufacturers throughout the world and offer an extensive range of door closers, floor springs, cylinders, architectural lock cases, hinges, assisted living products, signs and accessories. These products, where applicable, have been fully tested and certified to the latest European standards and satisfy the UK construction product regulations for ironmongery.

The correct specification and fitting of panic and emergency hardware is vitally important and a matter of 'life or death' controlled by extensive legislation.

HOPPE Guarantee

ARRONE products are manufactured to the highest standards and comply with all relevant British, European and international standards and legislation. Every year we invest heavily in testing by accredited third-party testing houses. We support this by offering a ten year operational guarantee.

ARRONE[®]
The **complete** range.





Standards

The ARRONE range of panic and emergency exit hardware has been designed, manufactured and tested to the required European Standards: BS EN 179 and BS EN 1125.

The difference is governed by Building Regulations standards:

BS EN 179:2008 – Emergency exit devices

Environments where people are familiar with their surroundings, where a panic situation is less likely such as offices, can be fitted with escape locks or push pads.

BS EN 1125: 2008 – Panic exit devices

Final exits in public buildings, shops, leisure centres, schools etc, or buildings with 60 or more occupants, should be fitted with panic devices operated by a push or touch bar.

BS EN 1634-1:2008 - Fire resistance tests for door and shutter assemblies

All ARRONE products are approved (see table on 20-21) and will display this icon.

Certifire

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



Quality and performance

Successfully type tested for conformity to requirements of the prevailing standards.



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 should be assessed by an authorised certification organisation.

Further advice

For further advice, guidance and product recommendations contact us to speak to our qualified Guild of Architectural Ironmongery team on 01902 484 400.

Key to symbols



Fire tested (see table on page 20-21)



BS EN compliant



CE Marked



Certifire Approved

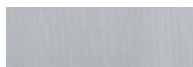
Finishes



SE
Silver enamel



GE
Gold enamel



SSS
Satin stainless steel effect



BL
Black enamel

Use this easy 3 step process to find the right products for your application.

STEP 1

Which regulation applies to my door?

**UNFAMILIAR SURROUNDINGS OR
BUILDING OF 60 PEOPLE OR MORE**
i.e.: Shops, leisure centres, schools
BS EN 1125: 2008 – Panic exit devices

FAMILIAR SURROUNDINGS
i.e.: Offices
BS EN 179:2008 – Emergency exit devices

STEP 2

What is your door layout? (Please refer to our Guide to Door Layouts on page 8)

SINGLE DOOR

AR880 single
panic bolt
AR882 single
panic latch
AR8800 touchbar
panic bolt – 2
and 3 point

DOUBLE REBATED DOORS

AR888 combination
unit (includes AR880,
AR882 and AR887)
AR8800 touchbar
panic bolt – 2
point and AR8802
touchbar single
panic latch

DOUBLE NON REBATED DOORS

2 x AR8800 single
panic bolts

SINGLE DOOR

AR883 single
push pad
AR884 single push
pad panic bolt

DOUBLE REBATED AND NON REBATED DOORS

AR8808 touchbar
combination unit
(includes AR8800
-2 single panic bolt
and AR8802)
See options
available under
BS EN 1125

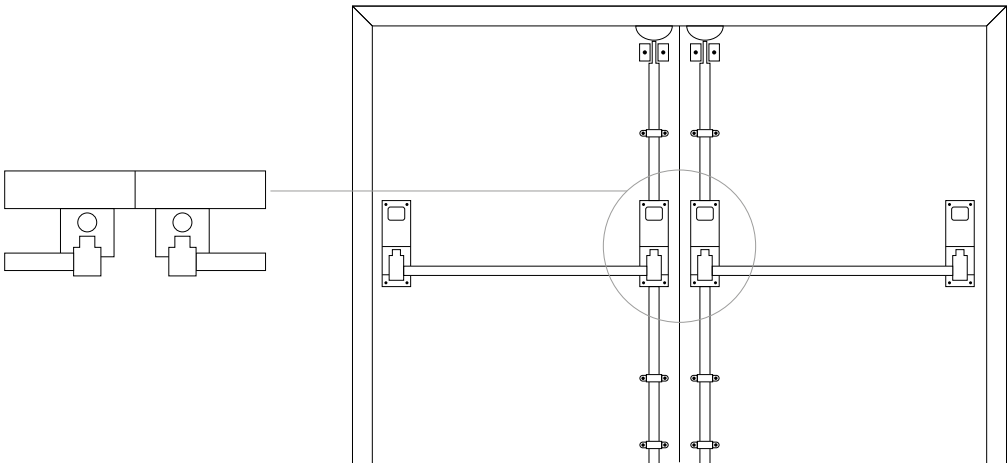
Lever type outside
access devices only

STEP 3

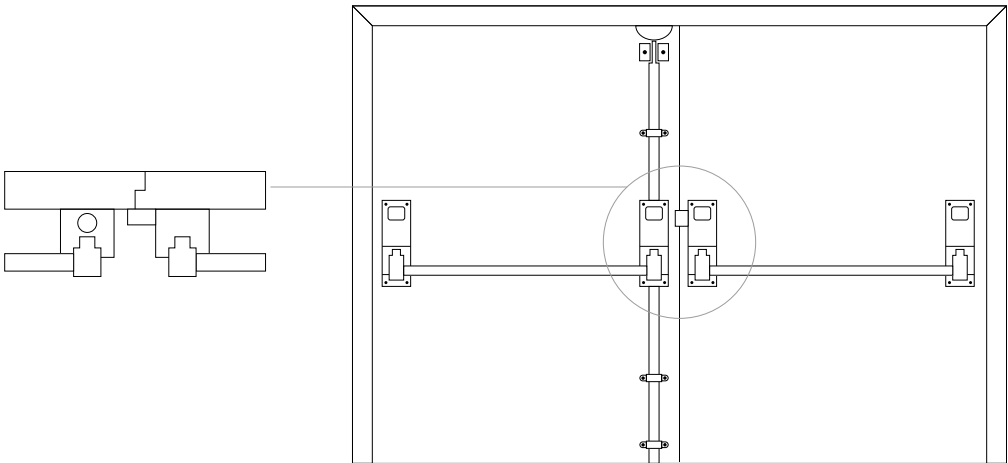
Choose your outside access device (Tested in conjunction with the panic and emergency exit devices under BS EN 1125 and 179 unless otherwise stated)

Device Type	Product Choices (refer to pages 14-16)
Lift pad	AR885 single lift pad
Knob	AR885K single octagonal knob
Lever handle	NEW AR885L lever AR8805 return to door lever AR515-PK lever operated mechanical push button lock

Non rebated door applications



Rebated door applications



Non Rebated Doors	Rebated doors
AR8800 single panic bolts (2 required)	AR8808 Touchbar combination unit
	AR888 Combination unit for double rebated doors

For mortice nightlatch options and further product advice contact us on 01902 484 400.



Combination Kits – Double Rebated Doors



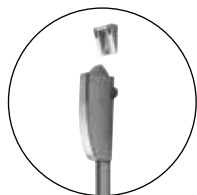
AR888

ARRONE combination unit for double rebated doors:

- Consists of: 1 x AR880 single panic bolt, 1 x AR882 single panic latch, 1 x AR887 double door strike plate
- Suitable for use on rebated double doors with each door leaf up to 2,440 mm height x 1,220 mm width: For double non-rebated doors use 2 x AR880 single panic bolts
- Steel door fixings and strike plates available separately



certifire CE



AR8808

ARRONE touchbar combination unit for double rebated doors:

- Consists of: 1 x AR8800-2 single panic bolt and 1 x AR8802 single panic latch.
- Rebated double doors with each door leaf up to 2,440 mm height x 750 mm to 1,000 mm width: For double non-rebated doors use 2 x AR8800 single panic bolts
- Supplied with 2 x "Push Bar To Open" signage
- To be used with lever OAD only



certifire CE



AR880

ARRONE single panic bolt:

- Fully reversible handing
- Doors up to 2,440 mm height x 1,220 mm width
- Steel door fixings and strike plates available separately



certifire CE



AR882

ARRONE single panic latch:

- Fully reversible handing
- Doors up to 1,220 mm width
- Steel door fixings and strike plates available separately



certifire CE





AR8802

ARRONE touchbar single panic latch:

- Fully reversible handing
- Suitable for use on doors 750 mm to 1,000 mm wide
- Steel fixings and timber fixings supplied as standard



certifire CE



AR8800

ARRONE touchbar panic bolt - 2 and 3 point:

- Fully reversible handing
- Doors up to 2,440 mm height x 750 mm to 1,000 mm width
- Vertical Pullman latches
- To be used with lever OAD only



certifire CE

AR883

ARRONE single push pad

- Fully reversible handing
- Steel door fixings and strike plates available separately



certifire CE



AR884

ARRONE single push pad panic bolt

- Fully reversible - Suitable for left and right handed doors
- Suitable for use on doors up to 2,440 mm height
- Steel door fixings and strike plates available separately





AR885K

ARRONE single octagonal knob outside access device:

- Octagonal knob design - Suitable for two way operation
- Fully Reversible - suitable for left and right handed doors
- Supplied with 40 mm single cylinder and fixing pack for combination with internal exit device



certifire



AR885

ARRONE single lift pad outside access device:

- Fully reversible handing
- Supplied with 40 mm single cylinder and fixing pack for combination with internal exit device
- Lift pad contains internal snap feature, designed to make device inoperable in the event of excessive force or abuse



certifire

All of our OADs have been tested along with our single and double door sets and are CE compliant when used with ARRONE systems.

AR885L

ARRONE lever operated outside access device:

- Fully reversible handing
- Available without cylinder for master keyed applications (AR886L)



AR8805

ARRONE Return to door lever operated external locking attachment:

Return to door lever design - Suitable for two-way operation

- Fully reversible handing
- Supplied with 40 mm single cylinder and fixing pack for combination with internal exit device
- Available without cylinder for master keyed applications (AR8806)
- Backing plate contains protective shroud feature, restricting ability to snap the cylinder



All of our OADs have been tested along with our single and double door sets and are CE compliant when used with ARRONE systems.

AR515-PK

ARRONE lever operated mechanical push button lock:

- Compatible with ARRONE panic and emergency exit hardware only
- Fully reversible handing
- Spindle pack supplied for operation with panic / emergency exit devices
- Supplied with Torx anti tamper fixings
- Rubber backing plate provides protection in external applications



All of our OADs have been tested along with our single and double door sets and are CE compliant when used with ARRONE systems.

Panic and Emergency Exit Hardware

General Information

ARRONE®
The **complete** range.



Credit to the Guild of Architectural Ironmongers (GAI) for providing this information.

What is the difference between panic and emergency escapes?

Panic bars must be used where there are more than 60 people likely to use the exit, or where people are unfamiliar with the building, and so likely to panic in an emergency – e.g. public access areas.

An emergency escape is where employees can be trained in their use during fire drills, thus reduces the risk of panic and a crush at the door. Push pads or lever handles with emergency escape locks are found most often in the workplace. Whichever device is used – lever handle or push pad – the door must open immediately. A single hand operation must withdraw all bolts simultaneously. Further guidance is given on page 4.

Important considerations

Essential hardware - this refers to all necessary hardware required for the door to function and achieve compliance.

Panic hardware for compliance with BS EN 1125

- Does the door open easily? Release should be immediate.
- Does the device cover at least 60% of the leaf width? If it is a panic escape door, it must. Does body pressure alone release the door, applied anywhere along its width? The door must open no matter where the panic bar is pressed.
- Is the essential hardware CE marked? The essential hardware must be CE marked according to the Construction Products Regulation.
- Is signage present and correct? There must be a “Push bar (or pad) to open” sign with directional arrow on inside and a “Fire exit – Keep clear” sign on the outside.
- Does the other ironmongery function correctly? It must as it may have a negative effect on the essential ironmongery if it doesn't.

Emergency escape hardware for compliance with BS EN179

- Does the door open easily? Inward or outward opening is allowed.
- Check that hinges and any weather seals are allowing free operation of the door.
- Is only ONE hand movement needed to release ALL bolts? (Approved Document B)
- By depressing a lever, (not a knob).

- Pressing a push pad/pulling a pull pad.
- Is the essential hardware CE marked? The essential hardware must be CE marked according to the CPR.
- Is signage present and correct? BS EN 179 requires signage for how to operate the escape device. BS 5499 (BS ISO 7010) requires escape route signs to be same type throughout premises.
- Does all other ironmongery fitted to the door function correctly. This is essential to ensure correct performance of the exit devices being fitted.

How can I find out which products will suit my application?

Guidance on selecting the right product(s) is given on page 4 of this leaflet and door applications on page 7. If you require further information, please refer to our Architectural Range catalogue, website or contact us for advice.

Is it possible to gain access to an escape door from the outside?

HOPPE offers an extensive range of outside access devices including knobs, levers and pads that can be used with our combination kits and push and panic bar devices. For touchbar applications only 'lever operated' external access devices can be used. All locking devices used must be tested with the inside actuator and therefore it is advised to match brands. For further guidance please refer to our range on page 12 and product overview on page 14.

Can I have an outside access device that has a lock on the outside whereby a key or code can be used to access?

Yes, there are several options to choose from including lockable knobs, levers, push pads and mechanical push pads. As with all outside access devices escape is always possible from the inside even when the door is locked.

Can you mix and match escape devices from different manufacturers?

The current European Standards advises that different manufacturers' escape hardware products are not mixed. It is therefore advised to use complete assemblies and kits to ensure adequate compliance and testing.

Combination Kits, Panic Bolts and Latches

Code	AR888	AR8808	AR880	AR882
Description	Pushbar combination unit	Touchbar combination unit for double rebated doors	Single panic bolt	Single panic bolt
Application	Double / non rebated doors ¹	Double / non rebated doors ²	Single door	Single door
CPR Number	1121-CPR-AAA005	1121-CPR-AAA5002	1121-CPR-AAA005	1121-CPR-AAA005
Certifire approved	CF810	CF5180	CF810	CF810
Declaration Of Performance (DoP)	HUK0022	HUK0036	HUK0022	HUK0022
Performance Standard	BS EN 1125	BS EN 1125	BS EN 1125	BS EN 1125
Dual Handed	No	N/A	Yes	Yes
Max. door weight	200kg	200kg	200kg	200kg
Maximum door height and width	Each door leaf up to 2,440 mm height x 1,220 mm width	2,440 mm height x 750 mm to 1,000 mm width	2,440 mm height x 1,220 mm width	1,220 mm maximum width
Fire Rating (Minutes)	30, 60, 120	30, 60, 120 (timber) 240 (steel)	30, 60, 120	30, 60, 120
Fire Performance Test BS EN 1634	Yes	Yes	Yes	Yes
Finishes	SE, GE, SSS, BL	SE, SSS	SE, GE, SSS, BL	SE, GE, SSS, BL
Outside Access Device Options	Knob Lever Pad	Lever only	Knob Lever Pad	Knob Lever Pad

1: For double non-rebated doors use 2 x AR880 single panic bolts

2: For double non-rebated doors use 2 x AR8800 single panic bolts

AR883	AR884	AR8802	AR8800-2	AR8800-3
Single push pad	Single push and panic bolt	Touchbar single panic latch	Touchbar panic bolt- 2 point	Touchbar panic bolt- 3 point
Single door	Single door	Single door	Single door	Single door
1121-CPR-ABB015	1121-CPR-ABB015	1121-CPR-AAA5002	121-CPR-AAA5002	1121-CPR-AAA5002
CF810	CF810	CF5180	CF810	CF5180
HUK0023	HUK0023	HUK0036	HUK0036	HUK0036
BS EN 179	BS EN 179	BS EN 1125	BS EN 1125	BS EN 1125
Yes	Yes	Yes	Yes	Yes
200kg	200kg	200kg	200kg	200kg
N/A	2,440 mm maximum height	750 mm to 1,000 mm wide	2,440 mm height x 750 mm to 1,000 mm width	2,440 mm height x 750 mm to 1,000 mm width
30, 60, 120 (timber) 240 (steel)	30, 60, 120	30, 60, 120 (timber) 240 (steel)	30, 60, 120	30, 60, 120
Yes	Yes	Yes	Yes	Yes
SE, GE, SSS, BL	SE, GE, SSS, BL	SE, SSS	SE, GE, BL	SE, SSS
Knob Lever Pad	Knob Lever Pad	Knob Lever Pad	Lever only	Lever only

HOPPE and ARRONE Hardware

HOPPE and ARRONE offer a complete range of quality window and door hardware, signage, shelving and padlocks. For more information visit our online catalogue: www.hoppe.com/gb/en/products/product-catalogue



**Hardware solutions
for interior doors**



**Handles for windows
and french doors**



**Hardware solutions
for exterior doors**



Pull handles



Hinges



Door closing devices



Locks and latches



Cylinders



Accessories and signs



Twin slot shelving



Padlocks

Take the confusion out of Fire Door Specification with the
ARRONE Fire Door Hardware Kits for various commercial
building applications.

Corridor doors locking



Corridor non-locking



Bathroom doors



Office doors



Deadlocking doors



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