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## CERTIFICATE OF APPROVAL

### No CF 5543

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This is to certify that, in accordance with  
TS00 General Requirements for Certification of Fire Protection Products  
The undermentioned products of

## ASSA ABLOY SECURITY SOLUTIONS

School Street, Willenhall, West Midlands, WV13 3PW  
TEL 01902 366911

Have been assessed against the requirements of the Technical Schedule(s)  
denoted below and are approved for use subject to the conditions  
appended hereto:

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#### CERTIFIED PRODUCT

UNION HD72 Mortice Locks and  
Latches

#### TECHNICAL SCHEDULE

TS23 The Contribution of  
Locks and Latches to the  
Performance of Fire Resisting  
of Doorsets

TS 31 The Contribution Of  
Emergency Exit Devices,  
Operated By A Lever Handle Or  
Push Pad, To The Performance  
Of Fire Resisting Door  
Assemblies

Signed and sealed for and on behalf of Exova (UK) Limited trading as  
Warrington Certification



Paul Duggan  
Certification Manager



Issued: 15<sup>th</sup> January 2018  
Next audit test due: 15/01/2019  
Frequency: Annually  
Valid to: 14<sup>th</sup> January 2023

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### ASSA ABLOY SECURITY SOLUTIONS

#### UNION HD72 Mortice Locks and Latches

1. The approval applies to the following products and configurations:

Reference	Description
JHD72SL	Euro Sashlock 72 mm centres and 60 mm backset
JHD72DL	Euro Deadlock 72 mm centres and 60 mm backset
JHD72LA	Euro Latch 72 mm centres and 60 mm backset
JHD72DNL	Euro Deadlocking Nightlatch 72 mm centres and 60 mm backset
JHD72ESL	Escape Lock 72 mm centres and 60 mm backset
JHD72WC	Euro Bathroom Lock 78 mm centres and 60 mm backset

All locks have a 235 mm high x 24 mm wide forend, which is available square or radiused, the latch/deadbolt, case, forend and strikeplates are all of steel, with a latchbolt projection of 12 mm

2. This certificate is designed specifically to demonstrate compliance of the product or system with Approved Document B (England and Wales); the Technical Handbooks (Scotland); Technical Booklet E (N. Ireland). If compliance is required with other regulatory or guidance documents there may be additional considerations or conflicts to be taken into account.

3. This approval relates to their use with the following door assemblies: -

**Latched and unlatched, intumescent sealed door assemblies consisting of timber faced and edged leaves with timber, cellulosic or mineral cores in timber frames having a fire resistance of 30 or 60 minutes (Code ITT).**

**Latched and unlatched, door assemblies consisting of uninsulated or insulated metal door assemblies in metal frames with or without intumescent seals having a fire resistance up to 240 minutes (Code IMM/MM).**

4. The locks and latches are approved on the basis of:

- i) Initial type testing to EN 1634-1 and EN 12209: 2003/EN 179: 2008 (where relevant)
- ii) An appraisal against TS23 or TS31 (where relevant)
- iii) Certification of quality management system.
- iv) Inspection and surveillance of factory production control
- v) On-going audit testing in accordance with TS23 requirements

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5. The mortice locks and/or latches should only be used with door assemblies of proven fire resistance (as defined in BS EN 1634-1 or BS 476: Part 22: 1987), the critical aspects of the doorset construction are considered to be the material of the door frame, the leaf to frame clearance gaps and the lipping material. Attention should be paid to these details and these should not be amended from that previously fire tested. The following minimum specification will be followed:

Timber-based assemblies:

- i) Door frame density - 450 kg/m<sup>3</sup> (30 minutes), 640 kg/m<sup>3</sup> (60 minutes)
- ii) Door leaves shall have a minimum thickness of 44 mm for 30 minute applications and 54 mm for 60 minute applications.
- iii) Lipping density - 640 kg/m<sup>3</sup>.

Steel-based assemblies (Code MM/IMM)

- i) Door leaves shall have a minimum thickness of 44 mm for up to 240 minute applications.
  - ii) No additional intumescent protection is required.
6. When fitted to insulated timber or mineral composite door assemblies, The required protection will be as follows:
- i) The required protection for 30 minute ITT applications will be 2 mm thick mono ammonium phosphate intumescent sheet material around the lock case and behind the forend, and 1 mm thick mono ammonium phosphate intumescent sheet material strike plate.
  - ii) The required protection for 60 minute ITT applications will be 2 mm thick mono ammonium phosphate intumescent sheet material around the lock case and behind the forend, and 1 mm thick mono ammonium phosphate intumescent sheet material strike plate.

*Note: Failure to install the protection will invalidate this certificate*

7. A plastic back box may be incorporated behind the strikeplates for both 30 minute and 60 minute ITT applications.
8. Lock assemblies not incorporating a latching mechanism shall only be fitted to proven unlatched doorset assemblies.

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9. The locks/latches should not be fitted higher than 1100 mm from the finished floor level of the surrounding floors.
10. The doorset shall be installed in accordance with BS 8214.
11. The approval relates to on-going production. Product and/or its immediate packaging are identified with the manufacturer's name, the product name or number, the CERTIFIRE name or name and mark, together with the CERTIFIRE certificate number and application where appropriate.

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12. The following table shows acceptable doorset types and fire resistance periods:

Class	Approved Door Type					
	IMM	MM	ITT	ITM	ITC	TM
FD20	✓	✓	✓	✗	✗	✗
FD30	✓	✓	✓	✗	✗	✗
FD60	✓	✓	✓	✗	✗	✗
FD90	✓	✓	✗	✗	✗	✗
FD120	✓	✓	✗	✗	✗	✗
FD240	✓	✓	✗	✗	✗	✗
E 20	✓	✓	✓	✗	✗	✗
EI 20	✓	✓	✓	✗	✗	✗
E 30	✓	✓	✓	✗	✗	✗
EI 30	✓	✓	✓	✗	✗	✗
E 60	✓	✓	✓	✗	✗	✗
EI 60	✓	✓	✓	✗	✗	✗
E 90	✓	✓	✗	✗	✗	✗
EI 90	✓	✓	✗	✗	✗	✗
E 120	✓	✓	✗	✗	✗	✗
EI 120	✓	✓	✗	✗	✗	✗
E 240	✓	✓	✗	✗	✗	✗
EI 240	✓	✓	✗	✗	✗	✗

**Key:**

- ✓ - approved
- ✗ - Not approved

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13. Doors are classified as the following types:

**Type MM** - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that do not contain intumescent materials in the frame to leaf gap.

**Type IMM** - 20 minute to 240 minute doorsets that consist of metallic leaves in metallic frames that contain intumescent materials in the frame to leaf gap.

**Type ITT** - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in timber frames

**Type ITM** - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in metal frames.

**Type ITC** - 20 minute to 120 minute doorsets containing intumescent seals and consisting of non-metallic faced and edged leaves hung in proprietary composite frames, of which the principal material is other than timber or metal but which may include any other materials.

#### Classification codes:

The approved lock/latch models and classifications are as follows.

#### Classification codes – EN12209:

Lock/Latch Reference	Description	Classification to EN 12209: 2003										
		3	X	8	1	0	G	3	B	A	2	0
JHD72SL	Euro Sashlock 72 mm centres and 60 mm backset	3	X	8	1	0	G	3	B	A	2	0
JHD72DL	Euro Deadlock 72 mm centres and 60 mm backset	3	X	8	1	0	G	3	B	A	0	0
JHD72LA	Euro Latch 72 mm centres and 60 mm backset	3	X	8	1	0	G	-	B	0	2	0
JHD72DNL	Euro Deadlocking Nightlatch 72 mm centres and 60 mm backset	3	X	8	1	0	G	1	B	B	2	0
JHD72ESL	Escape Lock 72 mm centres and 60 mm backset	3	X	8	1	0	G	3	B	A	2	0
JHD72WC	Euro Bathroom Lock 78 mm centres and 60 mm backset	3	X	8	1	0	G	1	B	G	2	0

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**Classification codes – EN179:**

Lock/Latch Reference	Description	Classification to EN 179: 2008									
JHD72ESL	Escape Lock 72 mm centres and 60 mm backset	3	7	6	B	1	3	4	2	A	B/D

**EN179 - Escape function locks**

The locks referenced JHD72ESL when fitted to comply with the requirements for their escape function in accordance with EN 179: 2008, are only approved when fitted in conjunction with J-1000RRU01SS & J-1000RRS01SS lever handle sets

**Further Information**

Further information regarding the details contained in this certificate may be obtained from ASSA ABLOY Security Solutions (Tel: 01902 366911).

Further information regarding CERTIFIRE certification and other approved products can be obtained from CERTIFIRE (Tel: 01925 646777).