

CERTIFICATE OF CONSTANCY OF PERFORMANCE

0905-CPR-210801-01

In compliance with Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation), this certificate applies to the construction product(s).

Product(s): Building hardware – Emergency exit device(s) operated by lever handle (refer to attached appendix for details and conditions)

Placed on the market under the name or trade mark of: Shandong Hanrui Hardware Co., Ltd.
Bldg 10-116, No. 10 Jingshan Road, Zhifu District, Shandong, China

and produced in the manufacturing plant(s): Hebei Jianhua Lock Industry Co., Ltd.
Road 3, Development Area Botou City, Hebei, 062150, China

Intended use: For doors on escape routes.

This certificate attests that all provisions concerning the assessment and verification of constancy of performance described in Annex ZA of the standard(s):

EN 179:2008

Under System 1 for the performances set out in this certificate are applied and that the performance of the construction product fulfils all the prescribed requirements for these performances.

This certificate was first issued on **2021-06-02** and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performances of the declared essential characteristics, do not change, and the construction product, and the manufacturing conditions in the plant are not modified significantly, unless suspended or withdrawn by the product certification body.

The issued document and statement(s) herein makes reference only to a presumption of conformity in accordance with the CPR Regulations EU 305/2011 (as amended). However, it is the manufacturer's or their authorised representative's sole responsibility to affix the CE logo and, by doing so, confirms full compliance and conformity to all other European mandatory directives and regulations that may also apply.



Signature:

Date: 2021-06-02

Issue: 01

Name:

105751
Dipl.-Ing. Roland Heine

Position: Certification Manager

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Brand: **DIROCK**
Model Ref: **6072ZE**

Table A1. Model number details for Emergency Exit Device from Shandong Hanrui Hardware Co., Ltd.

Model numbers	Single door	Double door		Type of operation ²
		Active door	Inactive door	
6072ZE	✓	--	--	Lever handle
Notes				
1. Building hardware tested for use on fire doors, as described in fire resistance test reports (see summary Table A3)				
2. Lever handle model can be SS4003-19SS.				

Table A2. Mechanical test reports and product classification for Emergency Exit Device from Shandong Hanrui Hardware Co., Ltd.

Mechanical test reports	Model Tested	Product Classification									
201113151GZU-001	6072ZE	3	7	6	B ^b	1	4	5	2	A	B/D

Table A3. Fire test reports for Emergency Exit Device from Shandong Hanrui Hardware Co., Ltd.

Fire Test Reports	Model Tested	Test Method	Fire Resistance (minutes)
			Integrity (E)
201130017SHF-001	6072ZE	EN 1634-1:2014+A1:2018	260
Test configuration: Single leaf single action swing steel fire door assembly			
Orientation: Open away from and open into the furnace.			

Notes

- The panic exit device(s) are to be installed in accordance with the installation instructions for the product(s).
- Digit 4 grade "B" was based on the test result from fire resistance test(s) (Refer to Table A3).

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Table A4. Emergency Exit Device - EN 179 Table ZA.1 Clauses for Emergency Exit Device from Shandong Hanrui Hardware Co., Ltd.

Product:	Emergency exit device(s) operated by lever handle as covered by the scope of EN 179.	
Intended uses:	For doors on escape routes.	
Requirement / characteristic	Requirement clauses in this European Standard	Results
Ability to release (for doors on escape routes)	4.1.2 Release function	< 1 second
	4.1.3 Release operation	Not opposite to the open direction
	4.1.4 Lever handle design	Operated the lever in downward rotational direction
	4.1.5 Push pad design	Not applicable
	4.1.6 Double doorset	Not applicable
	4.1.8 Exposed edges and corners	No sharp edges
	4.1.11 Push pad installation	Not applicable
	4.1.12 Lever handle installation	X> 120 mm, Z < 150 mm
	4.1.13 Operation element projection	Standard projection Category 2: W < 100 mm
	4.1.14 Operating element face	Type A, V > 18 mm
	4.1.15 Lever handle free end	U > 40 mm, W < 100 mm, Angle $\alpha < 30^\circ$
	4.1.16 Lever handle operating gap	Test block pass freely
	4.1.17 Push pad operating gap	Not applicable
	4.1.18 Test rod	The device does not trap the test rod in any position during the operation
	4.1.19 Push pad release operation	Not applicable
	4.1.20 Accessible gap	No accessible gap could be blocked.
	4.1.21 Door free movement	Door open freely after release
	4.1.22 Top vertical bolt	Not applicable
	4.1.24 Keepers	The keeper protects the door frame from the damage caused by the door closing and opening
	4.1.25 Keeper dimensions	No floor keeper, not applicable
4.1.27 Door mass and dimensions	Grade 6, Mass 200kg, Height \leq 2100 mm, Width \leq 1300 mm (dimension mechanical only)	
4.1.28 Outside access device	All the outside access device (key, outside lever and cylinder) cannot prevent exit device operating from inside in any situation.	
4.2.2 Release forces	< 70 N for lever handle	
4.2.7 Security requirement	Grade 5, the device remains locked when a force of 5000 N is applied to the door.	

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Table A5. Emergency Exit Device - EN 179 Table ZA.1 Clauses for Emergency Exit Device from Shandong Hanrui Hardware Co., Ltd.

Requirement / characteristic	Requirement clauses in this European Standard	Results
Durability of ability to release against aging and degradation (for doors on escape routes)	4.1.4; 4.2.9 Corrosion resistance	Grade 4: Very high resistance (240 hours)
	4.1.9 Temperature range	-10°C; +60°C
	4.1.23, 4.2.6 Covers for vertical rods	Not applicable
	4.1.26 Lubrication	Refer to Manufacturer's Maintenance Instructions
	4.2.3 Re-engagement force	< 50 N
	4.2.4, 4.1.21, 4.2.2, 4.2.3 Durability	Grade 7: 200 000 test cycles
	4.2.5 Abuse resistance – Operating element	Type A
	4.2.6 Abuse resistance - Vertical rod	Not applicable
4.2.8; 4.2.2; 4.1.21 Final examination	Release force < 50 N, door open freely after release	
Self closing ability C (for fire/smoke doors on escape routes)	4.2.3 Re-engagement force	< 50 N
Durability of self closing ability C against aging and degradation (for fire/smoke doors on escape routes)	4.2.4 Durability	Grade 7: 200 000 test cycles
	4.2.3 Re-engagement force	< 50 N
Resistance to fire E (integrity) and (insulation) (for fire doors on escape routes)	4.1.10; Annex B Suitability of panic exit devices for use on fire/smoke resisting door assemblies	Grade B: suitable for use on fire resisting door assemblies (refer to Table A3).
Control of Dangerous substances	4.1.29 Dangerous substances	No dangerous substances declared for this product/intended use

END OF DOCUMENT

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