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SAFETY TEST REPORT

MEASUREMENT AND TEST REPORT

For

Wenzhou Tuoxin Lock Co., Ltd.	
No.55-56，Shangpu 2nd Road, Liushi town, Yueqing WenzhouCity, Zhejiang Province,China	
Models:	AB301
Equipment Type:	Plane Lock
Test Standard:	EN 12209: 2016
Report Number:	GBT209182401
Test Date:	2025-9-17 to 2025-9-25
Prepared By:	**Guangdong Baotong Quality Inspection Co.,Ltd.** Room 802,Building 22,CIMC Intelligent Manufacturing Center,No.15.Shunye West Road,Xingtan,Shunde District.Foshan,Guangdong.China
Date of issue	2025-9-25

Tested by: Reviewer: Approved:

EMC TEST REPORT	
Name of Testing Laboratory.....:	Guangdong Baotong Quality Inspection Co.,Ltd.
Address.....:	Room 802,Building 22,CIMC Intelligent Manufacturing Center,No.15.Shunye West Road,Xingtan,Shunde District.Foshan,Guangdong.China
Applicant's name.....:	Wenzhou Tuoxin Lock Co., Ltd.
Address.....:	No.55-56，Shangpu 2nd Road, Liushi town, Yueqing WenzhouCity, Zhejiang Province,China
Test specification:	
Standard.....:	EN 12209: 2016
Non-standard test method..... :	N/A
Test item	
Test Item description..... :	Plane Lock
Trade Mark..... :	N/M
Model and/or type reference.....:	AB301
Additional model..... :	AB102、AB103、AB302、AB303、AB401、AB402、AB403、HT607-1、HT607-2、HT607-3、HT302-1、HT302-2、HT302-3、MS610、AB401、AB402、AB403
Ratings .....:	/
Manufacturer.....:	Wenzhou Tuoxin Lock Co., Ltd.
Address.....:	No.55-56，Shangpu 2nd Road, Liushi town, Yueqing WenzhouCity, Zhejiang Province,China
Test item particulars.....:	
Classification of installation and use..... :	/
Supply Connection..... :	/
Possible test case verdicts:	
- test case does not apply to the test object... :	N/A
- test object does meet the requirement..... :	P (Pass)
- test object does not meet the requirement... :	F (Fail)

TEST REPORT DECLARATION

Applicant	:	Wenzhou Tuoxin Lock Co., Ltd.
Address	:	No.55-56，Shangpu 2nd Road, Liushi town, Yueqing WenzhouCity, Zhejiang Province,China
EUT Description	:	Plane Lock
Model Number	:	AB301 **(Note: The series products have the same circuit diagram, PCB layout and functionality. The differences are the model name and appearance, so, we select /, to test.)**

Test Standards:
EN 12209: 2016

The EUT described above is tested by Guangdong Baotong Quality Inspection Co.,Ltd. EMC Laboratory to determine the maximum emissions from the EUT and ensure the EUT to be compliance with the immunity requirements of the EUT. Guangdong Baotong Quality Inspection Co.,Ltd. EMC Laboratory is assumed full responsibility for the accuracy of the test results. Also, this report shows that the EUT technically complies with the 2014/30/EU directive and its amendment requirements.
The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

EN 12209: 2016			
Clause	Requirement	Remark	Result
4	Requirements		P
4.1.1	Essential characteristics		P
	Self-closing ability		P
	ability to close and keep the door in a closed position		N/A
	return force of latch bolt;		N/A
	side force on latch bolt		N/A
	door closing force		N/A
	suitability for use on fire resistance and/or smoke control doorset		N/A
	suitability for use on fire resistance and/or smoke control doorset..		N/A
	Self-closing ability - durability		N/A
	durability of latch action		N/A
	corrosion resistance		P
4.1.2	Dangerous substances	No Dangerous substances	P
4.1.3	Return force of latch bolt	Padlock	N/A
4.1.4	Product information requirements		P
	The limitation of the products intended use, the limitation of the door mass and door dimensions, temperature range and the field of door application and distance range between locking plate and forend		P
	Infrmation to ensure that the product can conform to the performance requirements of this document, including known restriction in use,		P
	Declaration of the maximum side force		P
	An extended temperature range if applicable.		N/A
	Declaration about suitability for use on fire resistance and/or smoke control doorset if applicable.		N/A
	a) Declaration of intention to be used with spring supported furniture		N/A
	Exclusion zone, protective devices and screw threads		P
4.1.5	Strength of lever lock key	2,5Nm for key, No damaged	P

EN 12209: 2016			
Clause	Requirement	Remark	Result
4.1.6	Strength of bolt actions	The dead bolt components,30Nm, the latch bolt components 20Nm, After test. The lock still can normal use.	P
4.1.7	Minimum follower restoring torque		N/A
4.1.8	Protection against removal from door		P
4.2	Category of use (first digit)		P
4.2.1	Resistance to side force on latch bolt	3kN	N/A
4.2.2	Torque to operate the lock	M1:0.8Nm M2:5Nm	P
4.2.3	Strength of follower stops	M3: 60Nm	P
4.2.4	Torque resistance for lockable deadbolt operation by handle/knob	M4: 0.4kN	P
4.3	Durability requirements (second digit)		P
4.3.1	Durability of latch action	100000 cycles	P
4.3.2	Durability of deadbolt mechanism	Deadbolt manually locking: 25000 cycles	P
4.3.3	Durability of locking snib mechanism		P
4.4	Door mass and door closing force (third digit)	Padlock	N/A
4.4.1	Door mass		N/A
4.4.2	Door closing force		N/A
4.5	Suitability for use on fire resistance and/or smoke control doorset (fourth digit)		N/A
4.6	Safety (fifth digit)	Not applicable. for locks that are part of exit devices for use on.	N/A
4.7	Corrosion resistance and temperature (sixth digit)	salt spray test, 240h 20℃ 60%R.H. , 1h -10℃ 20mins, -10 to 60 ℃ 2h;	P
4.8	Security (seventh digit)		P
4.8.2	Locking	Grade 4	P
4.8.3	Manual deadlocking		P
4.8.3.2	Manual locking with intermediate locking positions		P
4.8.3.3	Automatic deadlocking bolt		N/A

EN 12209: 2016			
Clause	Requirement	Remark	Result
4.8.3.4	Automatically locking latch bolt		N/A
4.8.4	Torque resistance of knob of tubular lock		P
4.8.4.1	Torque resistance of knob or lever handle on bored lock and latch sets		N/A
4.8.4.2	Resistance of knob on bored lock and latch set to the pull off test		N/A
4.8.5	Requirements for side force	°	N/A
4.8.5.2	Resistance to side force on deadbolt	F4, 60s	N/A
4.8.5.3	Resistance to drilling and side force on deadbolt	F4, 60s	N/A
4.8.6	Deadbolt projection		N/A
4.8.6.1	Deadbolt projection without hooks	L1：12mm	N/A
4.8.6.2	Deadbolt with hooks	L1：12mm	N/A
4.8.7	Resistance to force in the unlocking direction (disengaging force)		P
4.8.7.1	Resistance to disengaging force	2kN	P
4.8.7.2	Resistance to drilling and disengaging force	2kN	P
4.8.8	Requirements for pulling of anti-separation bolt		P
4.8.8.1	Resistance to pulling of anti-separation bolt	7kN 60s	P
4.8.8.2	Resistance to drilling and pulling of anti-separation bolt	7kN 60s	P
4.8.9	Requirements for anti-lifting devices in sliding door locks		N/A
4.8.9.1	Resistance to force of anti-lifting devices in sliding door locks		N/A
4.8.9.2	Resistance to force of anti-lifting devices in sliding door locks with drill protection		N/A
4.8.10	Requirement for torque resistance of lockable followers		P
4.8.10.1	Torque resistance of lockable followers		P
4.8.10.2	Torque resistance of rim locks with an integral lockable handle/knob		N/A
4.8.11	**Strong key attack on lever locks**	100N/m	P
4.8.12	**Resistance to force on box protected locking plates**	F4 2kN 60s	P
4.8.13	**Resistance to side force on locking plates**	F5 7kN 60s	P

EN 12209: 2016			
Clause	Requirement	Remark	Result
4.8.14	**Resistance to pulling on locking plates**	F6 7Kn 60s	P
4.8.15	Resistance to lifting force on locking plates	5kN 60s	P
4.9	Key identification requirements of lever locks (eight digit)		P
4.9.1	Minimum number of detaining elements	3	P
4.9.2	Minimum number of effective differs	100	P
4.9.3	Differing steps height on key	2	P
4.9.4	Non-interpassing of keys with just one interval differ	Yes	P
4.9.5	Coding protection	No	P
5	Test, assessment and sampling methods		P
7	Classification		P
7.1	Coding system		P
7.2	Classification for mechanically operated locks and locking plates		P
7.2.1	Category of use (first digit)		P
7.2.2	Durability (second digit)	C	P
7.2.3	Door mass and closing force (third digit)	Padlock	N/A
7.2.4	Suitability for use on fire resisting and/or smoke control doorset (fourth digit)	Grade 0	P
7.2.5	Safety (fifth digit)		N/A
7.2.6	Corrosion resistance and temperature (sixth digit)	–10 °C to +60 °C, 240h	P
7.2.7	Security and drill resistance (seventh digit)	grade 0	N/A
7.2.8	Key identification of lever locks (eight digit)		N/A
7.3	Example for classification of locks, latches and their locking plates		P

EN 12209: 2016			
Clause	Requirement	Remark	Result
8	Marking, labelling and packaging		P
8.1	On the product		P
	The following information shall be marked on the lock: a) See ZA.3 for further requirements if applicable; b) identification number of the certification body if applicable; c) manufacturer's name or trademark or other means of positive identification; d) the number and year of this European Standard, i.e. EN 12209; e) the full classification of the system; f) month and year of manufacture, may be in coded form.		P
8.2	On the packaging		P
	The following information shall be marked on the packaging: a) manufacturer's name or trademark or other means of positive identification; b) the number and year of this European Standard, i.e. EN 12209; c) manufacturer's product reference number.		P
8.3	On the installation instruction		P
Annex A	Locks and locking plates for use on fire resisting and/or smoke control doorset		
A.1	Grade A		
	Products representative of their type, being classified grade A in 7.2.4, shall have been subjected to a successful evaluation proving their suitability for use on smoke control doors.		
	Products are for use on smoke control doors if a door incorporating the product has passed a smoke control test to EN 1634-3.		
	The evidence and test application/method shall be shown in the product information		

EN 12209: 2016			
Clause	Requirement	Remark	Result
	All part of the product that are responsible for keeping the door in its closed position shall be made out of material with a melting point of not less than 300 °C. If the lock is equipped with a latch bolt and the latch bolt could be the only part of the lock that keeps a smoke door in its closed position, then the projection of the latch bolt shall be at least 10 mm. Alternatively, the suitability for use on smoke control doors shall be determined by a successful test conducted in accordance with EN 1634-3.		
	Installation instruction shall confirm that the engagement of the latch bolt inside the locking plate shall not be less than 6 mm.		
	It is not necessary for the product to be operable after such a test.		
A.2	Grade B		
	Products representative of their type, being classified to grade B in 7.2.4, shall have been subjected to a successful fire resisting and/or smoke control doorset test from both sides, in accordance with EN 1634-1 or EN 1634-2 to prove the effect of the product on the fire resistance of the complete door assembly. However if the test laboratory expert determines the test to be conducted from the one side of the door only (worst case situation for the product), then it should be allowed and stated in the test report.		
A.3	Grade N		
	Products representative of their type, where other means are responsible for keeping the smoke control and fire resistance doorset in its closed position during the smoke control and fire resistance test, shall be classified grade N in 4.5.		

Sample pictures

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