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Technical Report No. 70.404.19.21053.01-00

Rev. 00

Dated 2019-07-08

Client: Loctek Ergonomic Technology Corp.
588 Qihang South Road,
Binhai Industrial Zone, Yinzhou District,
Ningbo, Zhejiang 315145
P.R. China

Manufacturer: Same as above

Test subject: Product: Height adjustable desk
Model No.: ET223

Test specification: EN 527-1: 2011
EN 527-2: 2016+A1:2019

Purpose of examination: Test according to the test specification.

Test result: The test results show that the presented product (except for the information for use) is in compliance with the specified requirements.

The test sample conformed with Type A work table.

The test result of the submitted sample is **PASS**.

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1 Description of the test subject

1.1 Function

Manufacturer's specification for intended use:

This desk is for working use.

1.2 Consideration of the foreseeable misuse

- Not applicable
- Covered through the applied standard
- Covered by the following comment
- Covered by attached risk analysis

1.3 Technical Data

Product :	Height adjustable desk
Model No. :	ET223
Total weight (kg) :	53.2
Overall Dim. (mm) :	L1600×W800×H610~1260
Claimed Max. load (kg) :	125

2 Order

2.1 Date of Purchase Order, Customer's Reference

2019-07-04, Ms. Sherry Shi

2.2 Receipt of Test Sample, Location

2019-05-31, 1pc, TÜV SÜD Shanghai

2.3 Date of Testing

2019-05-31 to 2019-07-04

2.4 Location of Testing

Test laboratory: No. 1999 Duhui Rd., 201108 Shanghai P.R. China

2.5 Points of Non-compliance or Exceptions of the Test Procedure

None



3 Test Results

EN 527-1: 2011 Office furniture - Work tables and desks - Part 1: Dimensions			
Clause	Requirement -Test	Measuring result- Remark	Verdict
4	Dimensions		P
4.1	Measurement procedure		-
4.2	Requirements		P
	Height of the work surface h_1	Sit/Stand: h_1 : 610~1260 mm	P
	Maximum desk top thickness t_1 and t_2	t_1 : 25mm t_2 : 25mm	P
	Minimum height of knee clearance for standing position only k_1	$k_1 > 700$ mm	P
	Minimum depth of knee clearance for standing position only k_2	$k_2 \geq 80$ mm	P
	Minimum depth of foot clearance for standing position only k_3	$k_3 \geq 150$ mm	P
	Minimum height of minimum foot clearance f_1 and f_2	$f_1 \geq 120$ mm $f_2 \geq 120$ mm	P
	Minimum legroom depth g_1	g_1 : 800mm	P
	Minimum desk top depth D	D: 800mm	P
	Minimum legroom width W	W: 1200mm	P

EN 527-2: 2016+A1:2019 Office furniture - Work tables and desks - Part 2: Safety, strength and durability requirements			
Clause	Requirement -Test	Measuring result- Remark	Verdict
4	Safety requirements		P
4.1	General		P
4.2	Shear and squeeze points		P
4.2.1	Shear and squeeze points when setting up and folding		P
4.2.2	Shear and squeeze points under influence of powered mechanisms		P
4.2.3	Shear and squeeze points during use		P
4.3	Stability requirements		P
4.4	Structural safety requirements		P
5	Strength and durability		P

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5.1	General		P
	Durability of height adjustment mechanisms EN 1730:2012, 8	A: 20 kg at 200 mm from the front and side edges and 105kg at geometric centre of the table top for 1250 cycles B: 125 kg at geometric centre of the table top for 2500 cycles C: 20 kg positioned at a rear corner 200 mm from the rear edge and the side edge and 105 kg at geometric centre of the table top for 1250 cycles. See remark 2.	P
	Horizontal static load test EN 1730:2012, 6.2	Top load: 50kg Long edge direction: 350 N Short edge direction: 300 N Test cycles: 10	P
	Additional horizontal static load test for adjustable tables with a height more than 950 mm EN 1730:2012, 6.2	Top load: 50 kg Moment: 285Nm Test cycles: 10	P
	Vertical static load tests EN 1730:2012, 6.3.1	Test force: 1000 N Cycles: 10	P
	Additional vertical static load test for adjustable tables with a height more than 950 mm EN 1730:2012, 6.3.1	Test force: 500 N Cycles: 10	P
	Horizontal durability test EN 1730:2012, 6.4.1 and 6.4.2	Top load: 50 kg Force: 300N Cycles: 10000	P
	Stiffness of the structure EN 1730:2012, 6.4.1 and 6.4.3	Force: 200 N Longitudinal direction: D1=7mm, D1/0.95=7.37mm<17 mm/m Transverse direction: Top load:20kg D2=5mm, D2/0.95=5.26mm <17 mm/m	P
	Vertical durability test EN 1730:2012, 6.5	Test force: 400 N Cycles: 10000	P

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	Durability of tables with castors EN 1730:2012, 6.8		N/A
	Vertical impact test EN 1730:2012, 6.6	Drop height: 140 mm Cycles: 10	P
	Drop test EN 1730:2012, 6.9	Drop height: 100 mm Cycles: 10	P
	Stability under vertical load EN 1730:2012, 7.2	Test load: 750 N	P
	Stability for work tables extension elements EN 1730:2012, 7.3		N/A
5.2	Requirements	a) there are no fractures of any member, joint or component; b) there are no loosening of joints intended to be rigid; c) the work table fulfils its functions after removal of the test loads; d) when tested according to Table 1, test number 5, the stiffness of the structure, both D1 and D2 divided by the height to the top of the table top shall be ≤ 17 mm/m.	
6	Information for use	The information for use was not provided.	N/T

Abbreviation: **P**=Pass; **F**=Fail; **N/A**=Not Applicable; **N/T** = Not Tested; **N/R** = Not Requested

4 Remark

- 1) The sample has been examined according to the minimum requirements described in the product standard.
- 2) The frequency is operating for 2min and resting for 18min according to the client's requirement.
- 3) The information for use was not submitted by the client.

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5 Documentation

PRODUCT PHOTO



Front view



Side view



Top view



Bottom view



Side view(the highest position)



6 Summary

The test specifications are met.

Hardlines - MES

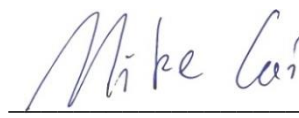
TÜV SÜD Certification and Testing (China) Co., Ltd.

Shanghai Branch

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