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Certificate No. LA.01.060

TEST REPORT No. BBC 25-141

06 05 2025
Vilnius

Determination of dimensions, safety, strength and durability for

Work table FLEXUS, art. Nbr., 149287

Customer	AJ Produkter AB
Address of customer	Transportvägen 23 301 82 Halmstad, Sweden
Application for test	A 25-074-2, date 11 04 2025
Date of receive test object	11 04 2025, sampling was made by the Customer
Manufacturer name	UAB ALGONIKA
Address of manufacturer	Liepų g. 12, Dievogala, 53416 Kauno r. sav., Lithuania
Indication of normative document	EN 527-1:2011, EN 527-2:2016+A1:2019, EN 1730:2012
Date of test	22 04 2025 (beginning) 06 05 2025 (end)

Conclusion

Work table FLEXUS, art. Nbr., 149287 **complies** with the standard EN 527-2:2016+A1:2019 (Office furniture – Work tables and desks – Part 2: Safety, strength and durability requirements) requirements and is classified according to the standard EN 527-1:2011 (Office furniture – Work tables and desks – Part 1: Dimensions) as type **Type C** – fixed height for sitting use.

Test object

Work table FLEXUS, art. Nbr., 149287 with L-shape table top. Table top is made of 22 mm thickness, back wall of 18 mm finished particle board. Legs are made of (40x25) mm, (25x25) mm and oval (50x30) mm metal tubular components. Table assembled using bolts M6 and eccentric fasteners.
Table with four plastic levelling feet Ø 30 mm adjustable with M8 thread and one corner plastic levelling feet adjustable with M15 thread.

External dimensions of table are: length 1800 mm, depth 800/1200 mm, height 740 mm. The width of shortest side of table top: 600 mmThe description is provided for information purposes and can only be considered as informative. No visual defects were noted upon delivery of the sample.

Figure 1. *Work table FLEXUS, art. Nbr., 149287*

Normative documents for requirements and test methods
EN 527-1:2011 Office furniture – Work tables and desks – Part 1: Dimensions;
EN 527-2:2016+A1:2019 Office furniture – Work tables and desks – Part 2: Safety, strength and durability requirements;
EN 1730:2012 Furniture - Tables - Test methods for the determination of stability, strength and durability.

Test forces, masses, dimensions and angles are targeted at the nominal values specified. The numerical results are reported without taking into consideration the measurement uncertainty. Uncertainty of measurement values are available upon request.

Work table FLEXUS, art. Nbr., 149287 was stored in the laboratory room at least 24 h prior testing. The tests were carried out in normal indoor ambient conditions at the temperature of (20±5) °C.

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Table 1. *Work table FLEXUS, art. Nbr., 149287* test results

Reference	Test and parameters	Requirements	Remarks	Test result*
Table 1, EN 527-1:2011 Dimensions		**EN 527-1:2011, table 1**		
4	**Type C,** fixed height for sitting use			
	Height of the work surface h_1, mm - sitting only - standing only	 740 ± 20 1050 ± 20	 740	 pass N/A
	Maximum desk top thickness - at the front t_1, mm - at 500 mm from the front edge t_2, mm	 70 100	 22 47	 pass pass
	Minimum height of knee clearance for standing position only k_1, mm	700		N/A
	Minimum depth of knee clearance for standing position only k_2, mm	80		N/A
	Minimum depth of foot clearance for standing position only k_3, mm	150		N/A
	Minimum height of minimum foot clearance - seating only and sit/stand (from 600 mm to 800 mm from the front edge) f_1, mm - standing only (from front edge to 150 mm, f_2, mm	 120 120	 >120	 pass N/A
	Minimum legroom depth - sitting only and sit/stand, g_1 mm	800	800	pass
	Minimum desk top depth, D mm	800	800	pass
	Minimum legroom width, W mm - sitting only and sit/stand - standing only	 850 790	 1310	 pass N/A
4 Safety requirements, EN 527-2:2016+A1:2019		**EN 527-2:2016+A1:2019, 4.1**		
4.1	All parts of the table with which the user comes into contact during intended use These requirements are fulfilled when:	shall be designed so that physical injury and damage are avoided		
	a) all accessible edges and corners	are free from burrs and rounded or chamfered	no remarks	pass
	b) the edges and corners of the top surfaces	are chamfered not less than 1 mm by 1 mm or rounded with a radius of not less than 2 mm	no remarks	pass
	c) the ends of feet and tubular components	are closed or capped	no remarks	pass
	Movable and adjustable parts	shall be designed so that injuries and inadvertent operation are avoided.	no remarks	pass
	Any load bearing part of the table to come loose unintentionally	shall not be possible	no remarks	pass
	All parts which are lubricated to assist sliding	shall be designed to protect users from lubricant stains when in normal use		N/A

Table 1. *(continued)*

Reference	Test and parameters	Requirements	Remarks	Test result*
4.2 Shear and squeeze points, EN 527-2:2016+A1:2019		**EN 527-2:2016+A1:2019, 4.2.1, 4.2.2, 4.2.3**		
4.2.1	Shear and squeeze points when setting up and folding The edges of parts moving relative to each other and creating shear and squeeze points	Unless 4.2.2 or 4.2.3 are applicable, shear and squeeze points that are created only during setting up and folding are acceptable, because the user can be assumed to be in control of his/her movements and to be able to cease applying the force immediately upon experiencing pain shall be as specified in 4.1		N/A
4.2.2	Shear and squeeze points under influence of powered mechanisms	There shall be no shear and squeeze points which close to less than 25 mm unless they are always less than 7 mm created by parts of the table operated by powered mechanisms, i.e. springs, gas lifts and motorized systems		N/A
4.2.3	Shear and squeeze points during use	There shall be no shear and squeeze points which close to less than 25 mm unless they are always less than 7 mm created by forces applied during normal use or created by the user during normal movements and actions, e.g. attempting to move the table	no remarks	pass
5 Strength and durability, table 1, EN 527-2:2016+A1:2019		**EN 527-2:2016+A1:2019, 5.2**		
8, EN 1730:2012	1. Durability of height adjustment mechanisms - mass on the table top of 50 kg; Location of the centre of the loading point and loading on the table top: - A: 20 kg at 200 mm from the front and side edges. The remaining load shall be at the geometric centre of the table top, 1250 cycles; - B: 50 kg or the maximum load specified shall be at the geometric centre of the table top, 2500 cycles; - C: 20 kg positioned at a rear corner 200 mm from the rear edge and the side edge. The remaining load shall be at the geometric centre of the table top, 1250 cycles.	The strength and durability requirements are fulfilled when after testing in accordance with Table 1: 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 D_1 and D_2 divided by the height to the top of the table top shall be ≤ 17 mm/m		N/A
6.2, EN 1730:2012	2.1. Horizontal static load test - load on the table top of 50 kg; - specified force of 450 N; - minimum specified force of 300 N; - directions F_1 - F_2 and F_3 - F_4; - 10 cycles		no remarks	pass
6.2, EN 1730:2012	2.2. Additional horizontal static load test for adjustable tables with a height more than 950 mm - load on the table top of 50 kg; - moment of 285 Nm; - 10 cycles			N/A

Table 1. *(continued)*

Reference	Test and parameters	Requirements	Remarks	Test result*
6.3.1, EN 1730:2012	3.1 Vertical static load tests - force of 1 000 N; - 10 cycles	The strength and durability requirements are fulfilled when after testing in accordance with Table 1: 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 D_1 and D_2 divided by the height to the top of the table top shall be ≤ 17 mm/m	no remarks	pass
6.3.1, EN 1730:2012	3.2 Additional vertical static load test for adjustable tables with a height more than 950 mm - force of 500 N; - 10 cycles			N/A
6.4.1, 6.4.2 EN 1730:2012	4. Horizontal durability test - load on the table top of 50 kg; - force of 300 N; - 10 000 cycles		no remarks	pass
6.4.1, 6.4.3 EN 1730:2012	5. Stiffness of the structure - load on the table top of 20 kg; - force of 200 N		the stiffness of the structure D_1= 2,7 mm/m, D_2= 4,0 mm/m	pass
6.5, EN 1730:2012	6. Vertical durability test - force of 400 N; - 10 000 cycles		no remarks	pass
6.8, EN 1730:2012	7. Durability of tables with castors - load on the table top of 50 kg; - 2 000 cycles			N/A
6.6, EN 1730:2012	8. Vertical impact test - drop height of 140 mm; - 10 cycles		no remarks	pass
6.9, EN 1730:2012	9. Drop test - nominal drop height of 100 mm - force required to lift one end of the table of 200/260 N		Drop height: 100/79 mm	pass
4.3 Stability requirements, table 1, EN 527-2:2016+A1:2019		**EN 527-2:2016+A1:2019, 4.3**		
7.2, EN 1730:2012	10. Stability under vertical load - force of 750 N	The table shall not overturn when tested according to tests 10 and 11 of Table 1	no remarks	pass
7.3, EN 1730:2012	11. Stability for work tables extension elements - force of 400 N			N/A

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Table 1. *(end)*

Reference	Test and parameters	Requirements	Remarks	Test result*
6 Information for use, EN 527-2:2016+A1:2019		**EN 527-2:2016+A1:2019, 6**		
6	Information for use shall be available in the language of the country in which it will be available to the end user. It shall contain at least the following details:	a) information regarding intended use;	no remarks	pass
		b) instruction for operating the adjusting mechanisms;		
		c) instruction for the care and maintenance of the table.		
Remarks, comments				
No additional remarks/comments				

*N/A - not applicable for this product design, N/T - not tested

Head of Furniture Testing Center Manvydas Mickus

Tests were carried out by engineer Laimonas Staškūnas