TEST REPORT No. BBC 26-066

03 03 2026
Vilnius

Name of test object:

ONSD-4-0-92 On Dining sofa 4 seater with out arms

Customer	UAB Scan Sorlie Baltic
Address of customer	Pramonės 3B, Panevežys LT-35100, Lithuania
Application for test	A 26-031-3, date 09 02 2026
Date of receive test object	09 02 2026, sampling was made by the Customer
Manufacturer name	UAB Scan Sorlie Baltic
Indication of normative document	EN 16139:2025, EN 1728:2012 including corrigendum EN 1728:2012/AC:2013, EN 1022:2023
Date of test	17 02 2026 (beginning) 02 03 2026 (end)

Conclusion

ONSD-4-0-92 On Dining sofa 4 seater with out arms **complies** with the standard EN 16139:2025 (Furniture - Safety, strength and durability - Requirements and test methods for non-domestic seating) requirements, test parameters: level of test severity L1, except for the clause 6 *Information for use.*

Information for use was not supplied, clause 6 was not tested.

Test object

ONSD-4-0-92 On Dining sofa 4 seater with out arms with metal leg frame. Seat with solid base padded with foam. Backrest made of metal frame padded with foam. Backrest frame made of ø 19 mm and 2 mm thick metal tubes, mounted into plastic sockets in the seat. Legs made of ø 25 mm metal tubes, transverse stretchers of ø 22 mm metal tubes, under-seat frame made of (60×20) mm and (60×40) mm rectangular metal profiles. Transverse stretchers are welded, longitudinal stretchers fixed with M6 bolts.

External dimensions are: length 1830 mm, width 770 mm, height 1065 mm. Seat width 1810 mm, seat depth 500 mm, max seat height in the median plane 650 mm. Footrest height 203 mm. Weight 67,0 kg.

The description provided by the laboratory is intended solely to describe the tested item and is considered for informational purposes only. Sample delivered to the laboratory assembled. No visual defects were noted upon delivery of the sample.

Figure 1. *ONSD-4-0-92 On Dining sofa 4 seater with out arms*

Normative documents for requirements and test methods

EN 16139:2025 Furniture - Safety, strength and durability - Requirements and test methods for non-domestic seating.

EN 1728:2012 with corrigendum EN 1728:2012/AC:2025 Furniture - Seating - Test methods for the determination of strength and durability.

EN 1022:2023 Furniture - Seating - Determination of stability.

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 are available upon request.

Test object was stored in the laboratory room at least 24 h prior testing. The tests were carried out under indoor ambient conditions within the specified temperature range of 15°C to 25°C.

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Table 1. Test results

Reference	Test and parameters	Requirements	Remarks	Test results
4 Safety, strength and durability EN 16139:2025				
4.1	**General requirements, EN 16139:2025**	**EN 16139:2025, 4.1**		
4.1	The seating shall be designed so as to minimize the risk of injury to the user. All parts of the seating with which the user comes into contact during intended use, shall be designed so that physical injury and damage are avoided. This requirement is met when:			
	a) edges and corners of the seating which are directly in contact with the user	are rounded or chamfered;	no remarks	pass
	b) all other edges and corners accessible during intended use	are free from burrs and/or sharp edges.	no remarks	pass
	Movable and adjustable parts	shall be designed so that injuries and inadvertent operation are avoided.		N/A
	Any load bearing part of the seating to come loose unintentionally	shall not be possible	no remarks	pass
4.2	**Holes and tubular/rigid components**	**EN 16139:2025, 4.2**		
4.2 Annex A	A.1 Finger entrapment - 8 mm diameter test probe (A.1.1.1) with a full hemispherical end; - Shape assessment probe (A.1.1.2) with a full hemispherical end and dimensions of (8x12) mm; - The process flow according to Table A.1 – Process flow 1	There shall be no holes in the ends of tubular components or holes in rigid components in accessible parts between 8 mm and 12 mm, unless the depth of penetration is less than 10 mm. This requirement is fulfilled if there is no hazard present when tested in accordance with A.1.	no remarks	pass
4.3	**Shear and compression points**	**EN 16139:2025, 4.3.1**		
4.3.1	The requirements contained within 4.3.2, 4.3.3 and 4.3.4 do not apply to electrically operated furniture.			
4.3.2	**Shear and compression points when setting up and folding**	**EN 16139:2025, 4.3.2**		
	Unless 4.3.3 or 4.3.4 are applicable, shear and compression 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.			
	The edges of parts moving relative to each other and creating shear and compression points	shall be as specified in 4.1		N/A
4.3.3	**Shear and compression points under influence of non-electrically powered mechanisms**	**EN 16139:2025, 4.3.3**		
4.3.3 Annex A	A.2.2 Test method - Shear and compression points created under the influence of powered mechanisms - 25 mm and 8 mm diameter test probes (A.2.1) with a full hemispherical end; - The process flow according to Table A.2 – Process flow 2.	With the exception of operation of doors, flaps, lids and extension elements, there shall be no areas where the distance between two accessible parts moving relative to each other can be less than 25 mm, and more than 8 mm in any position during movement that could present a risk of injury to the user, created by parts of the furniture operated by powered mechanisms, e.g. mechanical springs and gas lifts. This requirement is fulfilled if there is no hazard present when tested in accordance with A.2.2		N/A

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Table 1. *(continued)*

Reference	Test and parameters	Requirements	Remarks	Test results
4.3.4	**Shear and compression points during use**	**EN 16139:2025, 4.3.4**		
4.3.4, Annex A	A.2.3 Test method - Shear and compression points created during normal use - 18 mm and 8 mm diameter test probes (A.2.1) with a full hemispherical end; - The process flow according to Table A.3 – Process flow 3	With the exception of operation of doors, flaps, lids and extension elements, there shall be no areas where the distance between two accessible parts moving relative to each other can be less than 18 mm, and more than 8 mm in any position that could present a risk of injury to the user, created by loads applied during normal use. The loads used for durability tests within Table 1 are considered representative of normal use. This requirement is fulfilled if there is no hazard present when tested in accordance with A.2.3.	no remarks	pass
4.4	**Stability**	**EN 16139:2025, 4.4**	Stability results obtained after having completed the relevant tests listed in Table 1 (EN 16139:2025)	
Annex B, B.1 All seating other than loungers, Table B.1, Loads – All other seating, EN 1022:2023		**EN 1022:2023, 7.2**		
7.3 Test procedures, all seating				
Seating is tested as Multi-seater with three seating places				
7.3.1, EN 1022:2023	Forwards overturning - force F_1 of 600 N, - force F_2 of 20 N	The seating shall fulfil the relevant requirements of EN 1022 after having completed the relevant tests listed in Table 1 (EN 16139:2025, 4.4) When tested according to 7.3 and 7.4, the seating shall not overturn (EN 1022:2023, 7.2)	no remarks	pass
7.3.2, EN 1022:2023	Forwards overturning for chairs with foot rests - force F_1 of 600 N, - force F_2 of 20 N		no remarks	pass
7.3.3, EN 1022:2023	Corner stability - force F_1 of 300 N		no remarks	pass
7.3.4, EN 1022:2023	Sideways overturning, all seating without arms - force F_1 of 600 N, - force F_2 of 20 N		no remarks	pass
7.3.5, EN 1022:2023	Sideways overturning, all other seating - force F_1 of 250 N, - force F_2 of 350 N, - force F_3 of 20 N			N/A
7.3.6, EN 1022:2023	Rearwards overturning, all seating with back rests - force F_1 of 600 N, - height of loaded seat above the floor (H): 595 mm, - force F_2 (H < 720 mm ≥ 300 mm) of 116 N *formula is used 0,2857*(1000-H)*;		no remarks	pass

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Table 1. *(continued)*

Reference	Test and parameters	Requirements	Remarks	Test results
7.4 Additional test procedures for seating with reclining back rests		The seating shall fulfil the relevant requirements of EN 1022 after having completed the relevant tests listed in Table 1 (EN 16139:2025, 4.4) When tested according to 7.3 and 7.4, the seating shall not overturn (EN 1022:2023, 7.2)		
7.4.2, EN 1022:2023	Tilting seating - number of discs: 11			N/A
7.4.3, EN 1022:2023	Reclining seating with leg rest - number of discs – back: 8, - number of discs – leg rest: 3			N/A
7.4.4, EN 1022:2023	Reclining seating without leg rest - number of discs – back: 8, - number of balancing discs: 3			N/A
7.4.5, EN 1022:2023	Rearwards stability for rocking chairs - number of discs: 8			N/A
4.5 Strength and durability, EN 16139:2025, table 1, level L1		**EN 16139:2025, 4.5.2**		
6.4, EN 1728:2012	1. Seat static and back static load test - Seat: force of 1600 N, - Back: force of 560 N (min. back force of 410 N), - 10 times	The safety, strength and durability requirements are fulfilled when during and after testing in accordance with (EN 16139:2025) Table 1: a) there are no fractures of any member, joint or component; b) there is no loosening of joints intended to be rigid; c) seating fulfils its functions after removal of the test loads; d) seating fulfils the stability requirements.	no remarks	pass
6.5, EN 1728:2012	2. Seat front edge static load test - Force of 1300 N, - 10 times		no remarks	pass
6.6, EN 1728:2012	3. Vertical static load on back - Seat load of 1300 N, - Force of 600 N, - 10 times		no remarks	pass
6.8, EN 1728:2012	4.1 Foot rest static load test - Minimum seat force 750 N, - Maximum seat force 1600 N, - Force of 1300 N, - 10 times		no remarks	pass
6.9, EN 1728:2012	4.2 Leg rest static load test - Force of 1300 N, - 10 times			N/A
6.10, EN 1728:2012	5. Arm rest sideways static load test - Force of 400 N, - 10 times			N/A
6.11, EN 1728:2012	6. Arm rest downwards static load test - Force of 750 N, - 5 times			N/A
6.13.1, EN 1728:2012	7.1 Vertical upwards static load on arm rests *Applicable only for seating which intended to be moved when occupied* - Seat force – not specified; - Lift 10 times during ≥ 10 s			N/A
6.13.2, EN 1728:2012	7.2 Vertical upwards static load on arm rests *Applicable only for stacking seating*-Specified load: weight of 8 chairs with a maximum of 25 kg, - Lift 10 times during ≥ 10 s			N/A

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Table 1. *(continued)*

Reference	Test and parameters	Requirements	Remarks	Test results
6.17, EN 1728:2012	8. Combined seat and back durability test - Seat: force of 1000 N, - Back: force of 300 N (min. back force of 300 N), - 100 000 cycles	The safety, strength and durability requirements are fulfilled when during and after testing in accordance with (EN 16139:2025) Table 1: a) there are no fractures of any member, joint or component; b) there is no loosening of joints intended to be rigid; c) seating fulfils its functions after removal of the test loads; d) seating fulfils the stability requirements.	no remarks	pass
6.18, EN 1728:2012	9. Seat front edge durability test - Force of 800 N, - 40 000 cycles		no remarks	pass
Annex B	10. Seat side-to-side durability test *Applicable only for single column seating* - Force of 1100 N (min. force of 800 N), - 10 000 cycles			N/A
6.20, EN 1728:2012	11. Arm rest durability test - Force of 400 N, - 30 000 cycles			N/A
6.21, EN 1728:2012	12. Footrest durability test - Seat: force of 1000 N, - Footrest: force of 1000 N, - 30 000 cycles		no remarks	pass
Annex C	13. Leg rest durability test - Force of 1000 N (minimum force of 800 N), - 10 000 cycles			N/A
6.15, EN 1728:2012	14. Leg forward static load test - Seat load of 1000 N, - Force of 500 N (minimum force of 150 N), - 10 times		no remarks	pass
6.16, EN 1728:2012	15. Leg sideways static load test - Seat load of 1000 N, - Force of 400 N (minimum force of 150 N), - 10 times		no remarks	pass
6.24, EN 1728:2012	16. Seat impact test - Drop height of 240 mm; - Fixed seat height: 10 cycles, - Adjustable seat height: 5 cycles in highest position, 5 cycles in lowest position+		no remarks	pass
6.28, EN 1728:2012	17. Backward fall test *This test is only for single seating units where the back will be the first part of the structure to strike the floor and the force used to overturn the chair rearwards is less than 30 N (EN 1728:2012)* - Number of impacts: 5			N/A
6.25, EN 1728:2012	18. Back impact test - Height of fall 210 mm/38º, - 10 times *c) This test is for all seating not tested in accordance with Test 17.*		no remarks	pass

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Table 1. *(end)*

Reference	Test and parameters	Requirements	Remarks	Test results
6.26, EN 1728:2012	19. Armrest impact test - Height of fall 210 mm/38°, - 10 times	The safety, strength and durability requirements are fulfilled when during and after testing in accordance with (EN 16139:2025) Table 1: a) there are no fractures of any member, joint or component; b) there is no loosening of joints intended to be rigid; c) seating fulfils its functions after removal of the test loads; d) seating fulfils the stability requirements.		N/A
6.27.1, EN 1728:2012	20. Drop test (multiple seating) - Drop height: N/A, - 2 × 5 times		Test not applicable for level L1	N/A
6.14, EN 1728:2012	21. Auxiliary writing surface static load test - Force of 300 N, - 10 times			N/A
6.22, EN 1728:2012	22. Auxiliary writing surface durability test - Force of 150 N, - 10 000 cycles			N/A
5 Information for use, EN 16139:2025				
5	Information for use shall be available in the language of the country in which it will be delivered to the end user. It shall contain at least the following details:	a) information regarding the intended use (see Annex F);	information for use was not provided	N/T
		b) if the chair is fitted with adjusting mechanisms: instruction for operating the adjusting mechanisms;		
		c) assembly instructions, where applicable;		
		d) instruction for the care and maintenance of the chair;		
		e) if the seating is fitted with castors: information on the choice of castors in relation to the floor surface;		
		f) if the seating is fitted with adjustment mechanisms comprising an energy accumulator, an additional note is required pointing out that only instructed personnel may replace and maintain adjustment mechanisms containing energy accumulators;		
		g) For stacking chairs, maximum number of chairs which can be stacked and how to move them.		
Remarks, comments:				
No additional remarks/comments				

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

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Tests were carried out by engineer Laimonas Staškūnas

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