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Certificate No. LA.01.060

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TEST REPORT No. BBC 23-248

20 06 2023
Vilnius

Determination of stability for
Charlie Corner 45° with back - 46

Customer	Johanson Design AB
Address of customer	Anders Anderssons väg 7, 285 35 Markaryd, Sweden
Application for test	A 23-121-3, date 29 05 2023
Date of receive test object	29 05 2023, sampling was made by the Customer
Manufacturer name	Johanson Design AB
Indication of normative document	EN 16139:2013 including corrigendum EN 16139:2013/AC:2013, EN 1022:2018
Date of test	19 06 2023 (beginning) 20 06 2023 (end)

Conclusion

Charlie Corner 45° with back - 46 **complies** with the standard EN 16139:2013 including corrigendum EN 16139:2013/AC:2013 (Furniture – Strength, durability and safety – Requirements for non-domestic seating) **stability** requirements.

Test object

Charlie Corner 45° with back - 46 with a triangular soft seat and backrest. Frame is made of plywood and covered with paper cover, backrest supporting part made of metal tubular components. Base of seat is made of zig-zag springs. Soft part is padded with foam and covered with fabric. There are 6 plastic feet (40x30x10) mm fixed at the bottom of seating with two screws (Ø5x28) mm each.

External dimensions are: width 600 mm, depth 705 mm, height 765 mm. Seat height 445 mm, depth 455 mm. Description is for general information.





Figure 1. *Charlie Corner 45° with back - 46*

Normative documents and test methods

EN 16139:2013 including corrigendum EN 16139:2013/AC:2013 Furniture – Strength, durability and safety – Requirements for non-domestic seating.

EN 1022:2018 Furniture - Seating - Determination of stability.

Unless otherwise stated, the following tolerances are applicable:

- forces $\pm 5\%$ of the nominal force;
- masses $\pm 1\%$ of the nominal mass;
- dimensions $\pm 1\text{ mm}$ of the nominal dimension;
- angles: $\pm 2^\circ$ of the nominal angle.

The accuracy for the positioning of loading pads $\pm 5\text{ mm}$.



Charlie Corner 45° with back - 46 was stored in the laboratory room before the tests were performing. The tests were carried out in normal indoor ambient conditions at the temperature of $(20 \pm 5)^\circ\text{C}$.

Test apparatuses

Apparatus 115 P certificate No. 8.

Table 1. *Charlie Corner 45° with back - 46* test results

Clause, Standard	Test and method, loads	Requirements	Test results	Pass/Fail, N/A, N/T*
4.3.3 Stability, EN 16139:2013 with corrigendum EN 16139:2013/AC:2013		EN 16139:2013 with corrigendum EN 16139:2013/AC:2013, 4.3.3, 5 The seating shall fulfil the relevant requirements of EN 1022:2018		
Annex B, B.1 All seating other than loungers, table B.1, Loads – All other seating, EN 1022:2018				
7.3.1, EN 1022:2018	1. Forwards overturning - force F ₁ of 600 N, - force F ₂ of 20 N	the seating shall not overturn, 7.2 EN 1022:2018, 4.3.1	no remarks	pass
7.3.2, EN 1022:2018	2. Forwards overturning for seating with foot rests - force F ₁ of 600 N, - force F ₂ of 20 N			N/A
7.3.3, EN 1022:2018	3. Corner stability - force F ₁ of 300 N			N/A
7.3.4, EN 1022:2018	4. Sideways overturning, all seating without arms - force F ₁ of 600 N, - force F ₂ of 20 N, - 1 cycle		no remarks	pass
7.3.5, EN 1022:2018	5. 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 1022:2018	6. Rearwards overturning, all seating with back rests - force F ₁ of 600 N, - height of loaded seat above the floor of 375 mm, - force F ₂ of 179 N		no remarks	pass
Remarks, comments				

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

Head of furniture testing centre

Manvydas Mickus

Tests were carried by the engineer

Laimonas Staškūnas



The test results is relate only to the tested items.

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