



Randers + Radius A/S
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Test Report

Material: Model: Flex table

Type:	Table			Lab.no.:	596536
Length:	1200 mm	Width:	800 mm	Height:	730 mm
Weight	23,50 kg				
Materials:	Tabletop: 20 mm particleboard Legs: Ø 35 mm metal				

Sampling: The test material was sampled by the client and received at the Danish Technological Institute 27-03-2014.

EN 1729-1:2008 Furniture – Chairs and tables for educational institutions – Part 1: Functional dimensions. Tested according to table A.1 clauses 1-6.

EN 1729-2:2012 Furniture – Chairs and tables for educational institutions – Part 2: Safety requirements and test methods. Loading according to EN 1729-2:2012 size 7, (Brown). Clauses 4, 6.

EN 15372:2008 Furniture – Strength, durability and safety – Requirements for non-domestic tables.

Test level 2: General use: General hotel, café, restaurant, public hall, banks, bars, meeting rooms.

Period: The testing was carried out from 27-04-2014 to 31-03-2014.

Result: Model Flex table fulfils the requirements in EN 1729-1:2008, the requirements of Table A.1, EN 1729-2:2012 size 7 (brown). Clauses 4, 6 and EN 15372:2008.

Individual results appear from Appendices 1 and 2.

Storage: The test material will be destroyed after 1 month, unless otherwise agreed.

Terms: The test was performed according to the attached conditions, which are according to the guidelines laid down by DANAK (The Danish Accreditation). The testing is only valid for the tested specimen. The test report may only be extracted, if the laboratory has approved the extract.

02-04-2014, Danish Technological Institute, Wood Technology, Taastrup
Revised 03-04-2014. This report replaces all previous for this sample

Test responsible

Verifier

**Testing of model: Flex Table
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EN 1729-1:2006 – Table A.2

Size code	0	1	2	3	4	5	6	7
Colour code	White	Orange	Violet	Yellow	Red	Green	Blue	Brown
1. Length of the lower leg (without shoes)	200-250	250-280	280-315	315-355	355-405	405-435	435-485	485+
2. Person height (without shoes)	800-950	930-1160	1080-1210	1190-1420	1330-1590	1460-1765	1590-1880	1740-2070
3. H ₁ -Height ± 10 mm	400	460	530	590	640	710	760	820
Measured						730		
4. T ₁ -Min. table top depth	500 ¹	500 ¹	500 ¹	500 ¹	500	500	500	500
Measured						800		
5. Min. table top length per person	600 ²	600 ²	600 ²	600 ²	600	600	600	600
Measured						600		
6. Min. horizontal distance between legs (per person)	500 ³	500 ³	500 ³	500 ³	500	500	500	500
Measured						525		
1. Can be reduced to 400 mm (only if required due educational conditions) 2. Can be reduced to 550 mm (only if required due to educational conditions) 3. Can be reduced to 450 mm (only if required due to educational conditions)								

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**Test of Model: Flex table
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Loading according to EN 1729-2:2012, size 7 (brown)

Testing	Test method	Cycles	Loading	Result
6 Testing of tables				
6.1.2 Stability of tables, vertical load	EN 1730:2000 6.7		Vertical: 600 N	Passed
6.2.2 Horizontal static load	EN 1730:2000 6.2	10	Horizontal: 400 N	Passed
6.2.3 Horizontal durability	EN 1730:2000 6.4	10.000	Vertical: 50 kg Horizontal: 300 N	Passed
6.2.4 Vertical static load	EN 1730:2000 6.3	10	Horizontal: 1.000 N	Passed
6.2.5 Vertical durability	EN 1730:2000 6.5	10.000	Horizontal: 600 N	Passed

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Test of Model: Flex table

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EN 15372:2008 Stability, strength and durability tests

Test	Test Method	Cycles	2	Result
Stability under vertical load	EN 1730:2000, 6.7	Test force, N Main surface V ₁ V ₂ Anc. surface V ₁ V ₂	200 400 100 200	Passed
Stability for tables with extension elements	5.3.2	Test force, N	200	N/A
Horizontal static load	EN 1730:2000, 6.2	Test force, N: High (>600) Low (600 or less) 10 times	400 200	Passed
Vertical static load	EN 1730:2000, 6.3	Test force, N: a) Main surface b) Anc. surface 10 times	1250 300	Passed
Horizontal fatigue	EN 1730:2000, 6.4	No. cycles: Test force 300 N	15.000	Passed
Vertical fatigue for cantilever or pedestal tables	EN 1730:2000, 6.5	No. cycles: Test force 300 N	15.000	N/A
Vertical impact for tables without glass in their construction	EN 1730:2000, 6.6	Drop height, mm: 10 times	180	Passed
Vertical impact for tables with glass in their construction	EN 1730:2000, 6.6 EN 14072:2003, 6 ²	Drop height, mm: Safety glass ¹⁾ Other glass	180 240	N/A
Drop test for tables weighing more than 20 kg	Annex A	Nom. drop height mm – tables without glass Nom. drop height mm – tables with glass	100 50	Passed

¹ Glass is considered to be safety glass, if the glass fulfils the requirements in EN 12150-1:2000, Clause 8, fragmentation test; or where the mode of breakage (β) according to EN 12600 is Type B or Type C

² Impact for the table top in accordance with the positions defined within EN 1730:2000, 6.6

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Test of Model: Flex table
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Photo



The general conditions pertaining to assignments accepted by Danish Technological Institute shall apply in full to the technical testing and calibration at Danish Technological Institute and to the completion of test reports and calibration certificates within the relevant field.

Danish Accreditation (DANAK)

DANAK was established in 1991 in pursuance of the Danish Act No. 394 of 13 June 1990 on the promotion of Trade and Industry.

The requirements to be met by accredited laboratories are laid down in the "Danish Agency for Trade and Industry's ("Erhvervsfremme Styrelsens") Statutory Order on accreditation of laboratories to perform testing etc. and GLP inspection. The statutory order refers to other documents, where the criteria for accreditation are specified further.

The standards DS/EN ISO/IEC 17025 "General requirements for the competence of testing and calibration laboratories" and DS/EN 45002 "General criteria for the assessment of testing laboratories" describe fundamental criteria for accreditation. DANAK uses guidance documents to clarify the requirements in the standards, where this is considered to be necessary. These will mainly be drawn up by the "European co-operation of Accreditation (EA)" or the "International Laboratory Accreditation Co-operation (ILAC)" with the purpose of obtaining uniform criteria for accreditation. In addition, DANAK draws up Technical Regulations with specific requirements for accreditation that are not contained in the standards.

In order for a laboratory to be accredited it is, among other things, required:

- that the laboratory and its personnel are not subject to any commercial, financial or other pressures, which might influence their technical judgement

- that the laboratory operates a documented quality system
- that the laboratory has at its disposal all items of equipment, facilities and premises required for correct performance of the service that it is accredited to perform
- that the laboratory management and personnel have technical competence and practical experience in performing the service that they are accredited to perform
- that the laboratory has procedures for traceability and uncertainty calculations
- that accredited testing or calibration is performed in accordance with fully validated and documented methods
- that the laboratory keeps records, which contain sufficient information to permit repetition of the accredited test or calibration
- that the laboratory is subject to surveillance by DANAK on a regular basis
- that the laboratory shall take out an insurance, which covers liability in connection with the performance of accredited services

Reports carrying DANAK's logo are used, when reporting accredited services and show that these have been performed in accordance with the rules for accreditation.