



WOOD TECHNOLOGY INSTITUTE

WOOD TECHNOLOGY INSTITUTE
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TESTING LABORATORY OF WOOD, WOOD-BASED MATERIALS, PACKAGING, FURNITURE, CONSTRUCTIONS AND WOODWORKING MACHINES

The testing laboratory accredited by the Polish Accreditation Centre, EA MLA signatory,
accreditation No AB 088
Scope of laboratory tests:
wood, wood-based materials, packaging, furniture, constructions and woodworking machines

FURNITURE TEST DEPARTMENT

Poznań, 26 June 2007

TEST REPORT No 717/2009 (S.D.)

Order: Tests of IN ACCESS armchair
Order No: A-717-BMK/2009
**Name and address
of the customer:** BEJOT Sp. z o.o.
ul. Wybickiego 2A,
63-112 Brodnica, Manieczki near Poznań
Test date: May – June 2009
Test performers:

Full name	Signature
Michał Rogoziński, MSc Eng.	<i>[Illegible signature]</i>
Marek Kalbrun, MSc Eng.	<i>[Illegible signature]</i>

[The oblong seal bearing the following inscription: "WOOD TECHNOLOGY INSTITUTE, TESTING LABORATORY OF WOOD, WOOD-BASED MATERIALS, PACKAGING, FURNITURE, CONSTRUCTIONS AND WOODWORKING MACHINES, 60-654 Poznań, ul. Winiarska 1"]

Head of Laboratory
Michał Rogoziński, MSc Eng.
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1. IDENTIFICATION (TEST OBJECT DESCRIPTION)

The test object was the IN ACCESS 103 armchair and the test was ordered by BEJOT Sp. z o.o. seated in Brodnica, Manieczki near Poznań.

2. DATE OF RECEIVING THE TEST OBJECT

The test pieces were delivered in May 2009.

3. SYMBOL AND NAME OF THE APPLIED TEST METHOD

The tests were carried out in accordance with the following standards:

PN-EN 1335-1: 2004 – Office Furniture. Office Work Chair. Part 1: Dimensions, Determination of Dimensions

PN-EN 1335-2: 2002 – Office Furniture. Office Work Chair. Part 2: Safety requirements.

PN-EN 1335-3:2002 – Office Furniture. Office Work Chair. Part 3: Testing Procedures for Safety (3D test method)

4. LIST OF MEASUREMENT EQUIPMENT

The tests were carried out with the following necessary measurement equipment:

- equipment to test chairs, No D1/B2
- template to mark loading point, No D3/P09
- AST force measurement set, No D2/04
- metal measure, No D2/06
- time sensor, No D2/02
- calliper, No D2/03

The measurement equipment was inspected on a current basis.

5. TEST RESULTS

The test results are shown in the attached reports Nos 1-2/717.

6. STATEMENT

The results shown in the reports exclusively apply to the tested samples. The test report cannot be copied in part, but only in whole.

REPORT NO 1/717
TESTS OF DIMENSIONS OF OFFICE WORK CHAIR

according to PN-EN 1335-1:2004
Furniture name **IN ACCESS 103** armchair
Ordering party **BEJOT, Brodnica, Manieczki near Poznań**
Order No **A-717-BMK/2009**

Dimension acc. PN-EN 1335-1:2004	Dimension	Determination result
SEAT		
Height of seat	470+560 mm	Consistent with standard
Depth of seat	485 mm	Consistent with standard
Depth of seat surface	485 mm	Consistent with standard
Width of seat	500 mm	Consistent with standard
Inclination of seat surface	0° + -11.3°	Consistent with standard
BACKREST		
Height of "S" back support point above seat level	250 mm	Consistent with standard
Height of backrest pillow – adjustable	820 mm	Consistent with standard
Height of upper backrest edge above seat level	800-936 mm	Consistent with standard
Width of backrest	500 mm	Consistent with standard
Curvature radius of backrest	1500 mm	Consistent with standard
Inclination of seat	-5.7° + -26.5°	Consistent with standard
ARMREST		
Length of armrest	275 mm	Consistent with standard
Width of armrest	40 mm	Consistent with standard
Height of armrest above seat	220 mm	Consistent with standard
Distance from armrest front to front seat edge	141 mm	Consistent with standard
Width of clearance between armrests	567 mm	Consistent with standard
BASE		
Maximum base arm (dimension that prevents tripping)	400 mm	Consistent with standard
Stability dimension	324 mm	Consistent with standard

Performed by: M. M. Rogoziński, MSc Eng., M. Kalbrun MSc Eng. Date: June 2009 Signature: *[Illegible signature]*

REPORT NO 2/717
SAFETY TESTS OF OFFICE WORK CHAIR

according to PN-EN 1335-2:2002, PN-EN 1335-3:2002
 Furniture name **IN ACCESS 103** armchair
 Ordering party **BEJOT, Brodnica, Manieczki near Poznań**
 Order No **A-717-BMK/2009**

Details acc. PN-EN 1335-2	Type of test acc. PN-EN 1335-2	Test parameters acc. PN-EN 1335-3		Test results
5.1	Front chair edge overbalancing	Q=27 kg n=1		Positive
5.2	Forward overbalancing	Q=600 N P=20 N t=5 sec.		Positive
5.3.1	Sideward overbalancing of chairs without armrests	Not applicable		
5.3.2	Sideward overbalancing of chairs with armrests	P _p = 20 N P ₁ = 250 N P ₂ = 350 N t = 5 sec.		Positive
5.4.2	Backward overbalancing, chairs with non-inclined backrest	-		Not applicable
5.4.3	Backward overbalancing, chairs with inclined backrest	Q = 13 x 10 kg		Positive
6	Tests of rolling resistance of unloaded chair	P _N = 12 N		Positive
7	Seat and backrest test	A	P=1500 N n=120,000	No damage
		C-B	P=1200 N P=320 N n=80,000	No damage
		J-E	P=1200 N P=320 N n=20,000	No damage
		F-H	P=1200 N P=320 N n=20,000	No damage
		D-G	P=1100 N P=1100 N n=20,000	No damage
8	Additional test of backrests rotating around horizontal axis	F=200 N N=25,000		No damage
9.1	Armrest durability test	P=400 N n=60,000		No damage
9.2.1	Armrest functional load	P=750 N n=5		No damage
9.2.2	Armrest overload	P=900 N n=5		No damage

Performed by:
 M. M. Rogoziński, MSc Eng., M. Kalbrun MSc Eng.

Date
 June 2009

Signature
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