

Prüfbericht-Nr.: <i>Test Report No.:</i>	21254440_001	Auftrags-Nr.: <i>Order No.:</i>	3176294	Seite 1 von 7 <i>Page 1 of 7</i>
Kunden-Referenz-Nr.: <i>Client Reference No.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2016-02-11	
Auftraggeber: <i>Client:</i>	Back App Europe AB Box 68, 33432 Anderstorp, Sweden			
Prüfgegenstand: <i>Test item:</i>	Alternative seating			
Bezeichnung / Typ-Nr.: <i>Identification / Type No.:</i>	BackApp2.0			
Auftrags-Inhalt: <i>Order content:</i>	Mechanical test acc. to ANSI/BIFMA X5.1			
Prüfgrundlage: <i>Test specification:</i>	ANSI/BIFMA X5.1: 2011-05 General-Purpose Office Chairs - Tests			
Wareneingangsdatum: <i>Date of receipt:</i>	2016-03-14			
Prüfmuster-Nr.: <i>Test sample No.:</i>	A000123092-001, -002, -003, -004, -005, -006, -007			
Prüfzeitraum: <i>Testing period:</i>	2016-04-04 – 2016-06-30			
Ort der Prüfung: <i>Place of testing:</i>	TÜV Rheinland LGA Products GmbH			
Prüflaboratorium: <i>Testing laboratory:</i>	Furniture testing laboratory Nuremberg			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von / tested by:  2016-07-01 J. Lauterkorn / Expert Datum Name / Stellung <i>Date Name / Position</i>		kontrolliert von / reviewed by:  2016-07-01 R. Heym / Head of laboratory Datum Name / Stellung <i>Date Name / Position</i>		
Sonstiges / Other: The swivel chairs for contract use model range BackApp2.0 complies to type III in accordance with ANSI/BIFMA X5.1-2011 and meets the requirements for performance and safety for type III of this standard. Further information see page 3.				
Zustand des Prüfgegenstandes bei Anlieferung: <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>		
<p>* Legende: 1 = sehr gut 2 = gut 3 = befriedigend 4 = ausreichend 5 = mangelhaft P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet</p> <p>Legend: 1 = very good 2 = good 3 = satisfactory 4 = sufficient 5 = poor P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested</p>				
<p>Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.</i></p>				



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Liste der verwendeten Prüfmittel
List of used test equipment

[illegible]

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Produktbeschreibung
Product description

Alternative seating "BackApp2.0"

Swivel chair without backrest and without armrests.

Seating height adjustable with gas spring (Stabilus STAB-O-MAT 4D, DIN 4550, 201 15).

Base made of die-cast aluminium. On the bottom side of the base a ring of plastic foam is attached. Movement of the chair is adjustable with a ball made of plastic which is screwable in different heights/positions.

Seat shell made of plastic. Seat is upholstered and covered with fabric. Taper fitting made of die-cast aluminium.

The seating can be put on an additional base with 3 load braked castors (Ø 50 mm) with 5 mm spacers. The castor base is made of die cast aluminium.

Dimensions (H x W x D) / Weight:

872 x 467 x 365 mm / 7,45 kg (without castor base)

Pic 1: Front view



Pic 2: Castor base



Pic 3: Bottom up view



Pic 4: Side view



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Absatz	ANSI/BIFMA X5.1: 2011-05	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

	General Information		
	The content of the test standard was shortened. For details be referred to the original document.		
1	Scope		
2	Definitions		
3	General		
4	Types of Chairs		
	Technical Tests acc. to ANSI BIFMA X5.1 cl. 5 to cl. 24		
5	Back Strength Test - Static - Type I <i>functional load: 890 N (200 lbf.)</i> <i>proof load: 1334 N (300 lbf.)</i> <i>loading time: each 1 minute</i>	no backrest	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
6	Back Strength Test - Static - Type II & III <i>functional load: 667 N (150 lbf.)</i> <i>proof load: 1112 N (250 lbf.)</i> <i>loading time: each 1 minute</i>	no backrest	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
7	Base Test -Static <i>load: 11 120 N (2500 lbf.)</i> <i>loading time: 2x 1 minute</i>		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
8	Drop Test - Dynamic <i>functional load: 102 kg (225 lb.)</i> <i>proof load: 136 kg (300 lb.)</i> <i>drop height: each 152 mm (6 in.)</i>		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
9	Swivel Test - Cyclic <i>seat load: 113 kg (250 lb.)</i> <i>cycles: 60 000 for fixed seat height</i> <i>120 000 for adjustable seat height</i>		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>

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10	Tilt Mechanism Test - Cyclic seat load: 102 kg (225 lb.) cycles: 300 000	no tilting mechanism	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
11	Seating Durability Test – Cyclic impact test impact load: 57 kg (125 lb.) impact height: 30 mm (1.2 in.) cycles: 100 000 front corner load-ease test - cyclic - off-center load: 734 N (165 lbf.) cycles: 20 000		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
12	Stability Test rear stability - type III seat load: 6 discs horizontal force if $H \geq 710$ mm (28.0 in.): $F \geq 93$ N (20.9 lbf.) horizontal force if $H < 720$ mm (28.0 in.): $F \geq 0.1964 (1195-H) \text{ N} / (F \geq 1.1 [47-H] \text{ pounds})$ rear stability - type I & II seat load: ≥ 11 discs front stability vertical load: 600 N (135 lbf.) horizontal force: ≥ 20 N (4.5 lbf.)	alternative seating with movement in all directions. The user always has the full control of the movement.	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
13	Arm Strength Test – Vertical – Static functional load: 750 N (169 lbf.) proof load: 1125 N (253 lbf.) loading time: each 1 minute	no armrest	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>

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14	Arm Strength Test – Horizontal – Static <i>functional load: 445 N (100 lbf.)</i> <i>proof load: 667 N (150 lbf.)</i> <i>loading time: each 1 minute</i>	no armrest	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
15	Back Durability Test- Cyclic – Type I <i>seat load: 102 kg (225 lb.)</i> <i>backrest force: 445 N (100 lbf.)</i> <i>backrest width ≤ 406 mm (16 in.):</i> 120 000 cycles in center <i>backrest width > 406 mm (16 in.):</i> 80 000 cycles in center 20 000 cycles off-center right 20 000 cycles off-center left	no backrest	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
16	Back Durability Test- Cyclic – Type II & III <i>seat load: 102 kg (225 lb.)</i> <i>backrest force: 334 N (75 lbf.)</i> <i>backrest width ≤ 406 mm (16 in.):</i> 120 000 cycles in center <i>backrest width > 406 mm (16 in.):</i> 80 000 cycles in center 20 000 cycles off-center right 20 000 cycles off-center left	no backrest	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
17	Caster/Chair Base Durability Test - Cyclic <i>seat load: 113 kg (250 lb.)</i> <i>cycles: 2000 over obstacles</i> 98 000 without obstacles		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
18	Leg Strength Test – Front and Side Application <i>front load test</i> <i>functional load: 334 N (75 lbf.)</i> <i>proof load: 503 N (113 lbf.)</i> <i>loading time: each 1 minute</i> <i>side load test</i> <i>functional load: 334 N (75 lbf.)</i> <i>proof load: 503 N (113 lbf.)</i> <i>loading time: each 1 minute</i>	no four legged chair	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>

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19	Footrest Static Load Test – Vertical <i>functional load: 445 N (100 lbf.)</i> <i>additional simultaneous functional load: 445 N (100 lbf.)</i> <i>additional functional load: 890 N (200 lbf.)</i> <i>proof load: 1334 N (300 lbf.)</i> <i>loading time: each 1 minute</i>	no footrest	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
20	Footrest Durability Test – Vertical - Cyclic <i>load: 890 N (200 lbf.)</i> <i>cycles: 50 000</i>	no footrest	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
21	Arm Durability Test – Cyclic <i>load: 400 N (90 lbf.)</i> <i>cycles: 60 000</i>	no armrest	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
22	Out Stop Test for Chairs with Manually Adjustable Seat Depth <i>seat load: 74 kg (163 lb.)</i> <i>falling weight: 25 kg (55 lb.)</i> <i>cycles: 25</i>	no adjustable seat	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
23	Tablet Arm Static Load Test <i>load: 68 kg (150 lb.)</i> <i>loading time: 1 minute</i>	no tablet arm	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
24	Tablet Arm Load Ease Test - Cyclic <i>load: 343 N (77 lbf.)</i> <i>cycles: 100 000</i>	no tablet arm	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>