

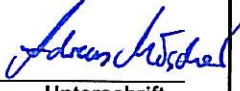


<b>Prüfbericht-Nr.:</b> <i>Test Report No.:</i>	<b>21215054_001</b>	<b>Auftrags-Nr.:</b> <i>Order No.:</i>	<b>3071808</b>	Seite 1 von 12 Page 1 of 12	
<b>Kunden-Referenz-Nr.:</b> <i>Client Reference No.:</i>	N/A	<b>Auftragsdatum:</b> <i>Order date:</i>	2012-06-19		
<b>Auftraggeber:</b> <i>Client:</i>	Scandinavian Business Seating AS; 7374 Røros-Norway				
<b>Prüfgegenstand:</b> <i>Test item:</i>	office work swivel chairs				
<b>Bezeichnung / Typ-Nr.:</b> <i>Identification / Type No.:</i>	"RH Mereo"				
<b>Auftrags-Inhalt:</b> <i>Order content:</i>	mechanical safety test				
<b>Prüfgrundlage:</b> <i>Test specification:</i>	DIN EN 1335-1, DIN EN 1335-2, DIN EN 1335-3 (DIN EN 1335-1: 2002-08, Office furniture - Office work chair - Part 1: Dimensions - Determination of dimensions; DIN EN 1335-2: 2010-01, Office furniture - Office work chair - Part 2: Safety requirements; DIN EN 1335-3: 2009-08, Office furniutre - Office work chair - Part 3: Test methods)				
<b>Wareneingangsdatum:</b> <i>Date of receipt:</i>	2013-11-06, 2014-03-14				
<b>Prüfmuster-Nr.:</b> <i>Test sample No.:</i>	A000053623-001+002, A000063214-001				
<b>Prüfzeitraum:</b> <i>Testing period:</i>	2013-11-07 – 2014-04-03				
<b>Ort der Prüfung:</b> <i>Place of testing:</i>	Furniture Testing Laboratory Dresden				
<b>Prüflaboratorium:</b> <i>Testing laboratory:</i>	TÜV Rheinland LGA Products GmbH				
<b>Prüfergebnis*:</b> <i>Test result*:</i>	Pass				
<b>geprüft von / tested by:</b>		<b>kontrolliert von / reviewed by:</b>			
2014-04-11	André Paul (SV)		2014-04-11	Andreas Möschner (SV)	
<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>	<b>Datum</b> <i>Date</i>	<b>Name / Stellung</b> <i>Name / Position</i>	<b>Unterschrift</b> <i>Signature</i>
<b>Sonstiges / Other:</b> Currently neither a safeguard clause procedure has been invoked nor is an increase in accidents known for this / these product(s). The requirements of the ZEK decision regarding 01.4-08 PAHs were considered.					
<b>Zustand des Prüfgegenstandes bei Anlieferung:</b> <i>Condition of the test item at delivery:</i>		Prüfmuster vollständig und unbeschädigt <i>Test item complete and undamaged</i>			
* 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 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					
<b>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.</b> <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>					

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**Liste der verwendeten Prüfmittel**  
**List of used test equipment**

<b>Prüfmittel</b> <i>Test equipment</i>	<b>Prüfmittel-Nr. / ID-Nr.</b> <i>Equipment No. / ID-No.</i>	<b>Nächste Kalibrierung</b> <i>Next calibration</i>
Messschieber / vernier calliper 0-300 mm	02089	05.2014
Messschieber / vernier calliper 0-1000 mm	07647	05.2014
Stahlmaßstab / steel flat ruler 1000 mm	02082	05.2014
Stahlmaßstab / steel flat ruler 600 mm	07649	05.2014
Wasserwaage / spirit level 250 mm	07646	05.2014
Neigungsmessgerät digital / digital protractor	06575	11.2013
Radienschablonen / radius gauge	02270	03.2014
Radienlehre / radius gauge 1-7mm	01967	05.2014
Belastungsschablone Stühle / loading point template for chairs	02259	03.2015
Stuhlmessstand 2 dimensional / chair measuring device 2 dimensional	01970	02.2015
Gesäßattrappe für Stuhlmessstand / seat loading pad for chair measuring device	02254	03.2015
Waage / scales 30 kg	02238	03.2015
Standsicherheitsprüfgerät / stability test device	02245	03.2015
Standsicherheitsscheiben / discs 10 kg	02041 - 02052	03.2014
Handkraftmessgerät / portable force measuring instrument	02084	04.2014
Doppelprüfstand Sitz-Rücken / Double test machine seat-backrest	07076	01.2015
5 Kanalsteuerung / 5 channel control	01965	04.2014
Kraftmessdose / force sensor 5 kN; AST 04-3596	01974	04.2014
Kraftmessdose / force sensor 2 kN; AST 97-3862	01981	02.2014
Kraftmessdose / force sensor 5 kN; AST 52460	01984	02.2014
Druckstück / loading pad D100, R 12	02260	03.2014
Druckstück / loading pad D200, R300/12	02241, 02242, 02243, 02244	03.2014
Kraftmessdose / force sensor 5 kN; AST 05-4481	01990	02.2014
Kraftmessdose / force sensor 5 kN; AST 04-3595	01973	02.2014
Armlehnendruckstück / arm loading pad	02257, 02258	03.2014
Dreh-Rollenprüfstand / swivel castors test machine, Kraftmessdose / force sensor 5 kN; AST	01977	03.2013
Federkraftmesser / spring resistance force sensor 50 N	02080	06.2014








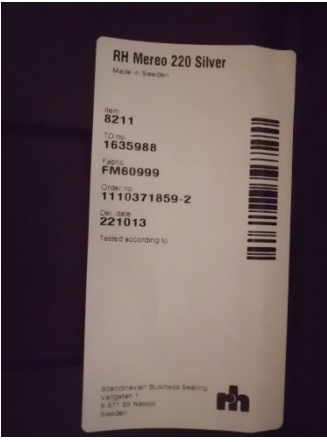
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**Produktbeschreibung**  
**Product description**

Office work chair model range “RH Mereo” with aluminum base, optional with armrests, optional with medium or high back, optional with neck rest, optional with break unloaded twin wheel swivel castors optional type “W” or “H”

- seat height adjustable by means of gas cylinder from Stabilus
- denomination of the gas spring: STABILUS STAB-O-MAT "D" DIN 4550-4 023788 070 13 D
- seat mechanism made of steel and aluminium die cast with backward tilt function
- tilt resistance of mechanism adjustable by hand wheel
- seat inclination lockable by knob in 6 steps
- seat made of plastic, upholstered and covered with fabric, 80 mm sliding seat adjustable in 7 steps
- backrest support made of aluminium die cast
- backrest made of plastic upholstered and covered with fabric, backrest 78 mm height-adjustable in 7 steps
- additional backrest inclination by hand lever and gas cylinder from Stabilus: BLOCK – O – LIFT
- optional height-adjustable and hinged neck rest for height back, neck rest support made of aluminium die cast, neck rest made of plastic upholstered and covered with fabric
- optional with and without arm rests
- arm rests adjustable in height and clear width, arm rest pad slidable and rotatable
- arm rests made of plastic with arm rest pads made of PU cover
- arm rest supports made of aluminium die cast, mounted on backrest support
- base made of aluminium die cast SS 4520 – 2B 730402
- 5 brake unloaded twin wheel swivel castors type "H" and "W" in a diameter of 64 mm
- marking of castors: none, castor manufacturer: Jemp Jou

Fig. 1	Fig. 2	Fig. 3	Fig. 4
			
Fig. 5 + 6	Fig. 7 +8	Fig. 9 + 10	Fig. 11
			



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Absatz Clause	DIN EN 1335-1, DIN EN 1335-2, DIN EN 1335-3 Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse - Bemerkungen Measuring results - Remarks	Bewertung Evaluation
<b>General information</b>			
The test report contents mechanical safety requirements based on DIN EN 1335-1, DIN EN 1335-2 and DIN EN 1335-3 as well as additional safety-related tests and requirements towards the state of the art. The tests acc. to the standards were divided in dimensional tests, safety strength tests and functional tests, a standard-independent numbering system was used. The content of the test basics was shortened. For details be referred to the original documents.			
<b>1</b>	<b>Determination of dimensions acc. to DIN EN 1335-1</b>		
	The chair shall provide support to the thighs and the lumbar region with sufficient depth and height to provide all users with a sitting position suited to their activity and their height. The dimension of the chair shall comply with type "A", "B" or "C".  Details of measuring see appendix.	type "A"	P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>2</b>	<b>General design requirements acc. to DIN EN 1335-2 cl. 4.1</b>		
<b>2.2</b>	<b>Corners and edges, trapping, pinching and shearing acc. to DIN EN 1335-2 cl. 4.1.1</b>		
	<ul style="list-style-type: none"> <li>- distance of accessible movable parts either <math>\leq 8</math> mm or <math>\geq 25</math> mm in any position during movement</li> <li>- accessible corners rounded with minimum 2 mm radius</li> <li>- edges of the seat, back rest and arm rests which are in contact with the user when sitting in the chair rounded with minimum 2 mm radius</li> <li>- edges of handles rounded with minimum 2 mm radius in the direction of the force applied</li> <li>- other edges free from burrs and rounded or chamfered</li> <li>- ends of accessible hollow components closed or capped</li> </ul>	Opening between parts of aluminum mechanism (see figure 8 page 3): The gap is closing with the backward force of the user when the hand lever is pulled. When the user remove its load the gap will open immediately by the force of the gas spring. After a safety risk analysis this is acceptable.	P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>2.3</b>	<b>Adjusting devices acc. to DIN EN 1335-2 cl. 4.1.2</b>		
	Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided. It shall be possible to operate the adjusting devices from a sitting position in the chair.		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>2.4</b>	<b>Connections acc. to DIN EN 1335-2 cl. 4.1.3</b>		
	It shall not be possible for any load bearing part of the chair to come loose unintentionally.		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>

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<b>2.5</b>	<b>Avoidance of soiling acc. to DIN EN 1335-2 cl. 4.1.4</b>		
	All parts which are lubricated to assist sliding (greasing, lubricating, etc.) shall be designed to protect users from lubricant stains when in normal use.		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>3</b>	<b>Stability acc. to DIN EN 1335-2 cl. 4.3, DIN EN 1335-3 cl. 7.1</b>		
	Front edge overturning $\geq 27$ kg	31 kg	P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
	Forward overturning vertical load: 60 kg, horizontal force: $\geq 20$ N	till 28 N	
	Sideways overturning without arms vertical load: 60 kg, horizontal force: $\geq 20$ N	100 N	
	Sideways overturning with arms vertical load: 25/35 kg, horizontal force: $\geq 20$ N	till 61 N	
	Rearwards overturning without back rest inclination vertical load: 60 kg, horizontal force: $\geq 192$ N		
	Rearwards overturning with back rest inclination $\geq 13$ discs	till 13.5 discs	
	Stability of footrest vertical load: 110 kg, horizontal force: $\geq 20$ N		
<b>4</b>	<b>Rolling resistance of unloaded chair</b>		
<b>4.1</b>	<b>Rolling resistance of unloaded chair DIN EN 1335-2 cl. 4.4, DIN EN 1335-3 cl. 7.4</b>		
	- all castors identical in construction - rolling resistance $\geq 12$ N	type "W": 15 N type "H": 22 N	P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>4.2</b>	<b>Additional rolling resistance of unloaded chair for GS-certification DIN EN 1335-2: 2002 cl. 4.4, DIN EN 1335-3: 2000 cl. 6.1, cl. 6.2</b>		
	- all castors identical in construction - rolling resistance for castors type "H" $\geq 15$ N - rolling resistance for castors type "W" $\geq 12$ N - measuring of rolling resistance after durability test		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>

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Absatz	DIN EN 1335-1, DIN EN 1335-2, DIN EN 1335-3	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

**5 Strength and durability tests acc. to DIN EN 1335-2 cl. 4.5**

The requirements are fulfilled when after the tests acc. to DIN EN 1335-3 cl. 7.2.1, cl. 7.2.2, cl. 7.2.6, cl. 7.3.1 and cl. 7.3.2:

- there are no fractures of any member, joint or component
- there is no loosening of joints intended to be rigid
- no major structural element is significantly deformed
- the chair fulfils its functions after removal of the test loads and when after the test in 7.2.3 of DIN EN 1335-3 the arm rests show no fracture.

**5.1 Seat front edge static load test DIN EN 1335-3 cl. 7.2.1**

10 cycles 1600 N		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
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**5.2 Seat and back static load test DIN EN 1335-3 cl. 7.2.2**

10 cycles Seat: 1600 N Back: 560 N		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
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**5.3 Foot rest static load test DIN EN 1335-3 cl. 7.2.6**

10 cycles 1300 N		P <input type="checkbox"/> F <input type="checkbox"/> N/A <input checked="" type="checkbox"/> N/T <input type="checkbox"/>
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**5.4 Seat and back durability DIN EN 1335-3 cl. 7.3.1**

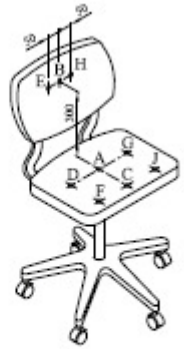


Table 2 — Seat and back durability test

Step	Loading point (see Figure 6)
1	A
2	C-B
3	J-E
4	F-H
5	D-G

Key  
 A loading point "A"      D loading point "D"      G loading point "G"  
 B loading point "B"      E loading point "E"      H loading point "H"  
 C loading point "C"      F loading point "F"      J loading point "J"

All chairs shall be tested to steps 1 to 5 (see table 2).

Figure 6 — Loading points

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<b>5.4.1</b>	<b>Seat and back durability - step 1</b>		
	120 000 cycles Seat (Loading point "A"): 1500 N		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>5.4.2</b>	<b>Seat and back durability - step 2</b>		
	Test performance acc. to DIN EN 1335-3 cl. 7.3.1 or DIN EN 1335-3: 2000 cl. 7.2, depending on higher stress for the construction of the chair.  80 000 cycles Seat (Loading point "C"): 1200 N Back (Loading point "B"): 320 N	40.000 cycles locked 40.000 cycles unlocked	P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>5.4.3</b>	<b>Seat and back durability - step 3</b>		
	Test performance acc. to DIN EN 1335-3 cl. 7.3.1 or DIN EN 1335-3: 2000 cl. 7.2, depending on higher stress for the construction of the chair.  20 000 cycles Seat (Loading point "J"): 1200 N Back (Loading point "E"): 320 N		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>5.4.4</b>	<b>Seat and back durability - step 4</b>		
	Test performance acc. to DIN EN 1335-3 cl. 7.3.1 or DIN EN 1335-3: 2000 cl. 7.2, depending on higher stress for the construction of the chair.  20 000 cycles Seat (Loading point "F"): 1200 N Back (Loading point "H"): 320 N		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>5.4.5</b>	<b>Seat and back durability - step 5</b>		
	20 000 cycles Seat (Loading point "D" and "G"): 1200 N lateral alternating		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>

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<b>5.5</b>	<b>Arm rest durability DIN EN 1335-3 cl. 7.3.2</b>		
	60 000 cycles 400 N		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>5.6</b>	<b>Arm rest downward static load test - central DIN EN 1335-3 cl. 7.2.3</b>		
	5 cycles 750 N		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
	5 cycles 900 N		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>6</b>	<b>Requirements for chairs with self-supporting gas spring</b>		
<b>6.1</b>	<b>Safety class of gas spring tube DIN 4550 cl. 5</b>		
	Maximum permissible distance "u" between seat front edge and the center of the gas spring in accordance with safety class may not be exceeded.	class 4	P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>6.2</b>	<b>General safety requirements DIN 4550: 2004 cl. 6.1</b>		
	Self-supporting gas springs must have a tripping device on the face side and have to be made of one part in the load bearing area.		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>6.3</b>	<b>Gas spring taper DIN 4550 cl. 6.2, 6.3</b>		
	- overlapping minimum 80 % - one-piece taper - radius minimum 1 mm at the bottom edge - taper with smooth surface		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>6.4</b>	<b>Durability test for self-supporting energized devices DIN 4550 cl. 7.2</b>		
	Test certificate for durability test	"TÜV Rheinland LGA type approved"	P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>



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<b>6.5</b>	<b>Marking of gas spring DIN 4550 cl. 9</b>		
	- manufacturer - type designation - classification - date of production (week / year)	STABILUS STAB-O-MAT "D" 023788 DIN 4550-4 070 13 D	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>6.6</b>	<b>Safety advice on the chair DIN 4550 cl. 9</b>		
	Conspicuously warning advice near the gas spring in German with the following content: "Achtung! Austausch und Arbeiten im Bereich des Sitzhöhenverstellelementes nur durch eingewiesenes Personal." We recommend the safety advice also in the language of the country in which it will be delivered to the end user.	The label of the swivel chairs is supplemented in series production with the warning advice minimum in german language (identical procedure on every GS-certificated chair with gas spring)	P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>6.7</b>	<b>Self assembly EK 5 / AK 3: 01-04</b>		
	The decision of EK 5 / AK 3: 01-04 for self assembly office workchairs shall be considered.		P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>
<b>7</b>	<b>Functional tests acc. to DIN EN 1335-3</b>		
<b>7.1</b>	<b>Arm rest downward static load test - front DIN EN 1335-3 cl. 7.2.4</b>		
	5 cycles 450 N	no safety requirement	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input checked="" type="checkbox"/>
<b>7.2</b>	<b>Arm sideways static load test DIN EN 1335-3 cl. 7.2.5</b>		
	10 cycles 400 N	no safety requirement	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input checked="" type="checkbox"/>
<b>7.3</b>	<b>Swivel test DIN EN 1335 cl. 7.3.3</b>		
	120 000 cycles Seat (Loading point "A"): 60 kg Seat (Loading point "C"): 35 kg	no safety requirement	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input checked="" type="checkbox"/>

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<b>7.4</b>	<b>Foot rest durability DIN EN 1335-3 cl. 7.3.4</b>		
	50 000 cycles 900 N	no safety requirement	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input checked="" type="checkbox"/>
<b>7.5</b>	<b>Castor and chair base durability DIN EN 1335-3 cl. 7.3.5</b>		
	36 000 cycles Seat (Loading point "A"): 110 kg	no safety requirement	P <input type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input checked="" type="checkbox"/>
<b>8</b>	<b>Information for use</b>		
	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:  <ul style="list-style-type: none"> <li>- information regarding the intended use</li> <li>- information regarding possible adjustments and chair type</li> <li>- instruction for operating the adjusting mechanisms</li> <li>- instruction for the care and maintenance of the chair</li> <li>- information regarding all adjustments</li> <li>- information for chairs with seat height adjustments with energy accumulators that only trained personnel may replace or repair seat height adjustment components with energy accumulators</li> <li>- information on the choice of castors in relation to the floor surface</li> </ul>	information for use with all relevant informations available	P <input checked="" type="checkbox"/> F <input type="checkbox"/> N/A <input type="checkbox"/> N/T <input type="checkbox"/>

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Absatz Clause	DIN EN 1335-1, DIN EN 1335-2, DIN EN 1335-3 Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse - Bemerkungen Measuring results - Remarks	Bewertung Evaluation
<b>9</b>	<b>Materials</b>		
	<p>Materials and its combinations shall not be toxic, among others the following certificates are necessary:</p> <ul style="list-style-type: none"> <li>- test certificate of harmful substances for wooden materials</li> <li>- test certificates of harmful substances for upholstery and cover materials</li> <li>- risk analysis for Polycyclic Aromatic Hydrocarbons (PAH) according to the valid ZEK requirement</li> </ul>	<p>Fabrics:</p> <p>Öko-TEX Standard 100 no.: 6234-4401 DTI Denmark from Gabriel,</p> <p>Öko-TEX Standard 100 no.: 1076-17401 DTI Denmark from Gabriel</p> <p>EU-Ecolabel DK/16/024 from Kvadrat,</p> <p>EU-Ecolabel UK/16/005 from Camira</p> <p>EU-Ecolabel DK/16/020 from Gabriel</p> <p>Lether: TRLP test report 1063617A from Wollsdorf Leder Schmidt</p> <p>Armrest pad: PAH-test, TRLP test report 3071808/180 AZ 166400</p> <p>A risk analysis and evaluation regarding PAH's (polycyclic aromatic hydrocarbons) according to the actual requirement ZEK 01.4-08 was carried out.</p> <p>The accessibility and the selection of the materials show no further suspicion concerning a PAH-risk.</p>	<p>P <input checked="" type="checkbox"/></p> <p>F <input type="checkbox"/></p> <p>N/A <input type="checkbox"/></p> <p>N/T <input type="checkbox"/></p>
<b>10</b>	<b>Marking towards ProdSG section 2 § 6</b>		
	Durable marking of product with name and contact address of manufacturer or importer and the product designation	see figure 11 on page 3	<p>P <input checked="" type="checkbox"/></p> <p>F <input type="checkbox"/></p> <p>N/A <input type="checkbox"/></p> <p>N/T <input type="checkbox"/></p>

**ZUSATZ-DOKUMENTATION**  
**ADDITIONAL DOCUMENTATION**

Dimensions to EN 1335 - Office work chairs			Type A
Denomination/code letter	nominal size (mm)	actual size (mm)	
Seat height <sup>a)</sup>	adjustable adj. range	<b>a</b> ≤ 400 to ≥ 510 ≥ 120	388 - 520 132 + <sup>1)</sup> +
Seat depth	adjustable adj. range	<b>b</b> ≤ 400 to ≤ 420 ≥ 50	403 - 483 80 + <sup>1), 2)</sup> +
Depth of seat surface		<b>c</b> ≥ 380	465 +
Seat width		<b>d</b> ≥ 400	410 + <sup>3)</sup>
Inclination of seat surface	adjustable adj. range	<b>e</b> ≥ -2° bis ≤ -7° ≥ 6°	+7.7° till -16.0° 23.7° + +
Height of back supp. point "S" above the seat	adjustable adj. range	<b>f</b> ≤ 170 to ≥ 220 ≥ 50	132 - 210 78 + <sup>1), 4)</sup> +
Height of back rest	adjustable fixed	<b>g</b> ≥ 220 ≥ 260	470 / 630 +
Height of upper edge of the back rest above the seat		<b>h</b> ≥ 360	564 - 642 404 - 482 + <sup>1)</sup> + <sup>1)</sup>
Back rest width		<b>i</b> ≥ 360	365 + <sup>5)</sup>
Back rest radius horizontal		<b>k</b> ≥ 400	>400 +
Back rest inclination	adj. range	<b>l</b> ≥ 15°	23.7° + <sup>6)</sup>
Length of the armrest		<b>n</b> ≥ 200	200 + <sup>7)</sup>
Width of the armrest <sup>b)</sup>		<b>o</b> ≥ 40	40 + <sup>7)</sup>
Height of armrest fixed above the seat	adjustable	<b>p</b> 200 to 250 ≤ 200 to ≥ 250	195 - 310 115 + <sup>1), 8)</sup> +
Distance of armrest to the front edge of the seat <sup>c)</sup>		<b>q</b> ≥ 100	>100 + <sup>1)</sup>
Clear width between armrests <sup>d)</sup>	fixed adjustable	<b>r</b> 460 to 510 ≤ 460 to ≥ 510	355 - 510 +
Max. offset of the of the underframe <sup>e)</sup>		<b>s</b> ≤ 365	390.5 +
Stability dimension		<b>t</b> ≥ 195	248.5 +

1) Measured with seat inclination near 0° and backrest inclination 90° (determined with loading template DIN EN 17128)

2) The measurement is still in tolerance.

3) Adjustment of sliding seat in forward position, measured in point "A"

4) Special formed backrest with a back supporting zone of 30 mm, middle of the zone in a height of 132-210 adjustable.

5) Measured 300 mm above point "A" in lowest backrest height adjustment.

6) By mechanism movement, additional 20° by separate backrest inclination

7) Measured length till a width of 40 mm, measured width till a length of 200 mm

8) Lowest position measured in smallest clear width adjustment, highest position measured in widest clear width between armrests

a) The limits of the minimum adjustable range consider work heights of min 680 mm to 780 mm. Some users need a foot rest.

b) This requirement applies for a minimum length of "n".

c) This requirement applies for a length from 170 mm above point "A".

d) This requirement applies for ¾ of the seat depth "b" (measured from the seat front edge) with back rest setting most forwarded.

e) When castors are used the requirement is: 415 mm.