

Prüfbericht-Nr.: <i>Test report no.:</i>	CN24U0E1 012	Auftrags-Nr.: <i>Order no.:</i>	170380764 10	Seite 1 von 9 Page 1 of 9
Kunden-Referenz-Nr.: <i>Client reference no.:</i>	N/A	Auftragsdatum: <i>Order date:</i>	2024-06-18	
Auftraggeber: <i>Client:</i>	ANTARES as NARODNI TRIDA 43, 110 00 PRAGUE, CZECH REPUBLIC VAT: CZ 26425998; Tel. +420 321 610 711			
Prüfgegenstand: <i>Test item:</i>	Office chair			
Bezeichnung / Typ-Nr.: <i>Identification / Type no.:</i>	UN2409-2			
Auftrags-Inhalt: <i>Order content:</i>	Mechanical Safety			
Prüfgrundlage: <i>Test specification:</i>	EN 1335-1:2020+A1:2022 EN 1335-2:2018 excluding clause 6			
Wareneingangsdatum: <i>Date of sample receipt:</i>	2024-06-18			
Prüfmuster-Nr.: <i>Test sample no.:</i>	A003747336-016			
Prüfzeitraum: <i>Testing period:</i>	2024-06-18 - 2024-09-12			
Ort der Prüfung: <i>Place of testing:</i>	Unit A01-02, No.11 Nanyun 5 Rd, GuangZhou, China			
Prüflaboratorium: <i>Testing laboratory:</i>	TÜV Rheinland (Guangdong) Ltd.			
Prüfergebnis*: <i>Test result*:</i>	Pass			
geprüft von: <i>tested by:</i>	☒		genehmigt von: <i>authorized by:</i>	☒
Datum: <i>Date:</i>	2024-09-23		Ausstellungsdatum: <i>Issue date:</i>	2024-09-23
Stellung / Position:	Project Engineer		Stellung / Position:	Reviewer
Sonstiges / <i>Other:</i>	Per client's requirement, EN1335-2 according to the maximum bearing 150 kg, 24 hours is intended to be used for 7 days/week for testing.			
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>			
* Legende: P(ass) = entspricht o.g. Prüfgrundlage(n) F(ail) = entspricht nicht o.g. Prüfgrundlage(n) N/A = nicht anwendbar N/T = nicht getestet * Legend: P(ass) = passed a.m. test specification(s) F(ail) = failed a.m. test specification(s) N/A = not applicable N/T = not tested				
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 above mentioned 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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Anmerkungen
Remarks

1	Alle eingesetzten Prüfmittel waren zum angegebenen Prüfzeitraum gemäß eines festgelegten Kalibrierungsprogramms unseres Prüfhauses kalibriert. Sie entsprechen den in den Prüfprogrammen hinterlegten Anforderungen. Die Rückverfolgbarkeit der eingesetzten Prüfmittel ist durch die Einhaltung der Regelungen unseres Managementsystems gegeben. Detaillierte Informationen bezüglich Prüfkonditionen, Prüfequipment und Messunsicherheiten sind im Prüflabor vorhanden und können auf Wunsch bereitgestellt werden. <i>The equipment used during the specified testing period was calibrated according to our test laboratory calibration program. The equipment fulfils the requirements included in the relevant standards. The traceability of the test equipment used is ensured by compliance with the regulations of our management system. Detailed information regarding test conditions, equipment and measurement uncertainty is available in the test laboratory and could be provided on request.</i>
2	Wie vertraglich vereinbart, wurde dieses Dokument nur digital unterzeichnet. Der TÜV Rheinland hat nicht überprüft, welche rechtlichen oder sonstigen diesbezüglichen Anforderungen für dieses Dokument gelten. Diese Überprüfung liegt in der Verantwortung des Benutzers dieses Dokuments. Auf Verlangen des Kunden kann der TÜV Rheinland die Gültigkeit der digitalen Signatur durch ein gesondertes Dokument bestätigen. Diese Anfrage ist an unseren Vertrieb zu richten. Eine Umweltgebühr für einen solchen zusätzlichen Service wird erhoben. Informationen zur Verifizierung der Authentizität unserer Dokumente erhalten Sie auf folgender Webseite: go.tuv.com/digital-signature <i>As contractually agreed, this document has been signed digitally only. TUV Rheinland has not verified and unable to verify which legal or other pertaining requirements are applicable for this document. Such verification is within the responsibility of the user of this document. Upon request by its client, TUV Rheinland can confirm the validity of the digital signature by a separate document. Such request shall be addressed to our Sales department. An environmental fee for such additional service will be charged. For information on verifying the authenticity of our documents, please visit the following website: go.tuv.com/digital-signature</i>
3	Prüfklausel mit der Note * wurden an qualifizierte Unterauftragnehmer vergeben und sind unter der jeweiligen Prüfklausel des Berichts beschrieben. Abweichungen von Prüfspezifikation(en) oder Kundenanforderungen sind in der jeweiligen Prüfklausel im Bericht aufgeführt. <i>Test clauses with remark of * are subcontracted to qualified subcontractors and described under the respective test clause in the report.</i> <i>Deviations of testing specification(s) or customer requirements are listed in specific test clause in the report.</i>
4	Die Entscheidungsregel für Konformitätserklärungen basierend auf numerischen Messergebnissen in diesem Prüfbericht basiert auf der "Null-Grenzwert-Regel" und der "Einfachen Akzeptanz" gemäß ILAC G8:2019 und IEC Guide 115:2021, es sei denn, in der auf Seite 1 dieses Berichts genannten angewandten Norm ist etwas anderes festgelegt oder vom Kunden gewünscht. Dies bedeutet, dass die Messunsicherheit nicht berücksichtigt wird und daher auch nicht im Prüfbericht angegeben wird. Zu weiteren Informationen bezüglich des Risikos durch diese Entscheidungsregel siehe ILAC G8:2019. <i>The decision rule for statements of conformity, based on numerical measurement results, in this test report is based on the "Zero Guard Band Rule" and "Simple Acceptance" in accordance with ILAC G8:2019 and IEC Guide 115:2021, unless otherwise specified in the applied standard mentioned on Page 1 of this report or requested by the customer. This means that measurement uncertainty is not taken in account and hence also not declared in the test report. For additional information to the resulting risk based of this decision rule please refer to ILAC G8:2019.</i>

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Produktbeschreibung
Product description

1	Produktdetails Product details	Office chair
2	Maße / Gewicht Dimensions / Weight	H x W x D: 1220-1325 x 712 x 665 mm Weight: 28.8 kg
3	Bedienelemente Operating elements	N/A
4	Ausstattung / Zubehör Equipment / Accessories	N/A
5	Verwendete Materialien Used materials	N/A
6	Sonstiges Other	N/A
7	Prüfmusterbereitstellung: Test sample obtaining	☒ Sending by customer ☐ Sampling by TÜV Rheinland Group ☐ others:

Pic 1: Front view



Pic 2: Side view



Pic 3: Back view



Pic 4: Bottom view



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Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse – Bemerkungen/ Measuring results - Remarks	Ergebnis Result
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EN 1335-1:2020+A1:2022 Office furniture – Office work chair – Part 1: Dimensions – Determination of dimensions

8		Dimensional requirements										See page 9					P					
/		Dimensions in millimetres																				
		Type Ax					Type A					Type B					Type C					
		Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range	
a ^a b	Seat height and sitting height *	yes	400	540	yes	160	yes	400	520	yes	130	yes	420	510	yes	100	yes	430	480	yes	80	
b	Adjustable depth of the seat	yes	380	430	yes	70	yes	425	450	yes	70	yes	425	445	yes	50	yes	425	-	yes	-	
	Fixed depth of the seat	no					no					no	425	485	no	fixed	no	425	-	yes	fixed	
f	Adjustable height of lumbar support	yes	170	300	yes	Minimum 70 within the range	yes	170	300	yes	Minimum 70 within the range	yes	170	300	yes	Minimum 50 within the range	yes	170	300	yes	-	
	Fixed height of lumbar support	no					no					no	170	300	no	-	no	170	300	no	-	
q ^c	Maximum distance from the backrest to the front of the armrests	yes	-	200	no	-	yes	-	300	no	-	yes	-	350	no	-	yes	-	400	no	-	
P	r ^d	Hip breadth clearance when armrests are in widest position	no	480	-	yes	-	no	480	-	yes	-	no	460	-	yes	-	no	460	-	yes	-
		Adjustable clear distance between armrest pads	yes	410	510	yes	-	yes	410	510	yes	-	yes	460	510	yes	-	yes	460	510	yes	-
		Fixed clear distance between armrest pads	no					no					no	460	510	no	-	no	460	-	yes	-
	z ^{d,e}																					
	p	Height of armrests adjustable	yes	200	290	yes	100	yes	200	290	yes	100	yes	225	250	yes	50	yes	200	250	yes	-
		Height of armrests not adjustable	no					no					no	225	275	no	-	no	200	250	no	-
	d	Seat pad width	no	400	-	yes	-	no	400	-	yes	-	no	400	-	yes	-	no	400	-	yes	-
c	Seat pad depth	no	380	-	yes	-	no	380	-	yes	-	no	380	-	yes	-	no	380	-	yes	-	

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		Type Ax					Type A					Type B					Type C				
		Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range
<i>h</i>	Backrest height	no	360	-	yes	-	no	360	-	yes	-	no	360	-	yes	-	no	360	-	yes	-
<i>j</i>	Backrest width	no	360	-	yes	-	no	360	-	yes	-	no	360	-	yes	-	no	360	-	yes	-
<i>k</i>	Radius of backrest	no	400	-	yes	-	no	400	-	yes	-	no	400	-	yes	-	no	400	-	yes	-
<i>n</i>	Armrest length	no	150	-	yes	-	no	150	-	yes	-	no	150	-	yes	-	no	150	-	yes	-
<i>o</i>	Armrest width	no	50	-	yes	-	no	50	-	yes	-	no	40	-	yes	-	no	40	-	yes	-
<i>s</i>	Offset of the underframe	yes	-	415	no	-	yes	-	415	no	-	yes	-	415	no	-	yes	-	415	no	-

- a For tall office work chairs the seat height is determined as the vertical distance measured at the front of the seat, from the loaded seat to the floor or top of the foot support. The foot support shall have a minimum diameter of 20 mm or be flat.
- b For type Ax only, the range can be achieved e.g. by using a telescopic gas cylinder or by providing more than one gas cylinder
- x Sitting height is only applicable for chairs with seat pad angles less than 0° (rearwards slope).
- c The distance *q* shall be measured when the minimum usable armrest area template, 150 mm x 50 mm (Type Ax and Type A) or 150 mm x 40 mm (Type B and Type C), are parallel to the median plane (see 3.9) of the seat.
- d The gap shall be retained across the height adjustment range of the armrests for functional fit.
- e The clear distance 'z' shall be measured when the minimum usable armrest area templates, 150 mm x 50 mm (Type Ax and Type A) or 150 mm x 40 mm (Type B and Type C), are parallel to the median plane of the seat.

		Dimensions in degrees																			
		Type Ax					Type A					Type B					Type C				
		Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range
<i>y</i>	Angle between seat and back	no	90	-	yes	-	no	90	-	yes	-	no	90	-	yes	-	no	90	-	yes	-
<i>l</i>	Backrest inclination range	Minimum 15 degrees					Minimum 15 degrees					Minimum 15 degrees									
<i>e</i>	Seat pad angle adjustable	yes	0	-	Yes	-	yes	0	-	Yes	-	yes	-2	-	Yes	-	no	-2	-	Yes	-
	Minimum adjustment range	5					5					5					5				
	Seat pad angle fixed	no					no					no	+2	-5	no	-	no	+2	-7	no	-

- a As long as it is possible to achieve an angle of minimum 90° between seat pad and backrest, the requirement is fulfilled.
- b The adjustment range shall include the specified seat pad angle.

		Dimensions in millimetres																			
		Type Ax					Type A					Type B					Type C				
		Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range	Allow (-)	min	max	Allow (+)	Minimum range
<i>x</i>	Height of adjustable neck rest or head rest	no	550	740	yes	-	no	550	740	yes	-	no	590	-	yes	-	no	590	-	yes	-
	Height of fixed neck rest or head rest	no					no					no	590	-	yes	-	no	590	-	yes	-

EN 1335-2:2018 Office furniture – Office work chair – Part 2: Safety requirements

4	Safety requirements		
4.1	General		P
4.2	Shear and squeeze points		/
4.2.1	Shear and squeeze points under influence of powered mechanisms		P
4.2.2	Shear and squeeze points during use		P
4.3	Sequence of testing		/

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4.4	Stability tests and requirements When tested according to Table 1, the seating shall not overturn. Table 1 — Stability tests and parameters <table> <tr> <th>Tests</th><th>Reference</th><th>Loads and cycles</th><th>Test parameters</th></tr> <tr> <td>1. Corner stability</td><td>EN 1022:2018, 7.3.3</td><td>Force F1, N Cycle</td><td>300 1</td></tr> <tr> <td>2. Forward overturning</td><td>EN 1022:2018, 7.3.1</td><td>Force F1, N Force F2, N Cycle</td><td>600 20 1</td></tr> <tr> <td>3. Forward overturning for chairs with footrests</td><td>EN 1022:2018, 7.3.2</td><td>Force F1, N Force F2, N Cycle</td><td>1100 20 1</td></tr> <tr> <td>4. Sideways overturning for chairs without arm rests</td><td>EN 1022:2018, 7.3.4</td><td>Force F1, N Force F2, N Cycle</td><td>600 20 1</td></tr> <tr> <td>5. Sideways overturning for chairs with arm rests</td><td>EN 1022:2018, 7.3.5.1 and 7.3.5.2</td><td>Force F1, N Force F2, N Force F3, N Cycle</td><td>250 350 20 1</td></tr> <tr> <td>6. Rearwards overturning for chairs without back rest inclination and for chairs with adjustable backrest inclination that can be locked</td><td>EN 1022:2018, 7.3.6</td><td>Force F1, N Force F2, N Cycle</td><td>600 $0,2857 \cdot (1000 - H^a)$ 1</td></tr> <tr> <td>7. Rearwards overturning for chairs with back rest inclination</td><td>EN 1022:2018, 7.4</td><td>Number of Discs Cycle</td><td>13 1</td></tr> </table> ^a H = height of the loaded seat above the floor in millimetres.	Tests	Reference	Loads and cycles	Test parameters	1. Corner stability	EN 1022:2018, 7.3.3	Force F1, N Cycle	300 1	2. Forward overturning	EN 1022:2018, 7.3.1	Force F1, N Force F2, N Cycle	600 20 1	3. Forward overturning for chairs with footrests	EN 1022:2018, 7.3.2	Force F1, N Force F2, N Cycle	1100 20 1	4. Sideways overturning for chairs without arm rests	EN 1022:2018, 7.3.4	Force F1, N Force F2, N Cycle	600 20 1	5. Sideways overturning for chairs with arm rests	EN 1022:2018, 7.3.5.1 and 7.3.5.2	Force F1, N Force F2, N Force F3, N Cycle	250 350 20 1	6. Rearwards overturning for chairs without back rest inclination and for chairs with adjustable backrest inclination that can be locked	EN 1022:2018, 7.3.6	Force F1, N Force F2, N Cycle	600 $0,2857 \cdot (1000 - H^a)$ 1	7. Rearwards overturning for chairs with back rest inclination	EN 1022:2018, 7.4	Number of Discs Cycle	13 1	Refer to below result(s)	/
Tests	Reference	Loads and cycles	Test parameters																																
1. Corner stability	EN 1022:2018, 7.3.3	Force F1, N Cycle	300 1																																
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/	3. Forward overturning for chairs with footrests		N/A																																
/	4. Sideways overturning for chairs without arm rests		N/A																																
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/	7. Rearwards overturning for chairs with back rest inclination		P																																
4.5	Structural safety requirements The structural safety requirements are met when the requirements according to 5.2 are fulfilled.	Refer to clause 5.1 & 5.2	/																																
5	Strength and durability																																		
5.1	General	Refer to below result(s)	/																																

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	Table 2 — Test sequence and parameters <table> <tr> <th>Tests</th><th>Reference</th><th>Loads and cycles</th><th>Test parameters</th></tr> <tr> <td>1. Combined seat and back static load test</td><td>EN 1728:2012, 7.3</td><td>Seat force F1, N Back rest force F2, N Cycles</td><td>1600 560 10</td></tr> <tr> <td>2. Seat front edge static load test</td><td>EN 1728:2012, 7.4</td><td>Force, N Cycles</td><td>1600 10</td></tr> <tr> <td>3. Foot rest static load test</td><td>EN 1728:2012, 7.8</td><td>Force, N Cycles</td><td>1300 10</td></tr> <tr> <td>4. Seat and back durability</td><td>EN 1728:2012, 7.9</td><td> Step 1: Force, N, at point A Cycles Step 2: Force, N, at point C Force, N, at point B Cycles Step 3: Force, N, at point J Force, N, at point E Cycles Step 4: Force, N, at point F Force, N, at point H Cycles Step 5 ^a: Force, N, at point D and G Cycles </td><td> 1 500 120 000 1 200 320 80 000 1 200 320 20 000 1 200 320 20 000 1 100 20 000 </td></tr> <tr> <td>5. Armrests durability</td><td>EN 1728:2012, 7.10</td><td>Force, N Cycles</td><td>400 60 000</td></tr> <tr> <td>6.1 Armrest downward static load test – central ^b</td><td rowspan="2">EN 1728:2012, 7.5</td><td>Force, N Cycles</td><td>750 5</td></tr> <tr> <td>6.2 Armrest downward static load test – central ^c</td><td>Force, N Cycles</td><td>900 5</td></tr> </table> ^a In derogation to EN 1728:2012, 7.2.5 and 7.2.8, the loading point D shall be 150 mm to the right of point A and the loading point G shall be 150 mm to the left of point A. ^b This test shall be carried out before the stability tests. ^c This test shall be carried out after the stability tests.	Tests	Reference	Loads and cycles	Test parameters	1. Combined seat and back static load test	EN 1728:2012, 7.3	Seat force F1, N Back rest force F2, N Cycles	1600 560 10	2. Seat front edge static load test	EN 1728:2012, 7.4	Force, N Cycles	1600 10	3. Foot rest static load test	EN 1728:2012, 7.8	Force, N Cycles	1300 10	4. Seat and back durability	EN 1728:2012, 7.9	Step 1: Force, N, at point A Cycles Step 2: Force, N, at point C Force, N, at point B Cycles Step 3: Force, N, at point J Force, N, at point E Cycles Step 4: Force, N, at point F Force, N, at point H Cycles Step 5 ^a : Force, N, at point D and G Cycles	1 500 120 000 1 200 320 80 000 1 200 320 20 000 1 200 320 20 000 1 100 20 000	5. Armrests durability	EN 1728:2012, 7.10	Force, N Cycles	400 60 000	6.1 Armrest downward static load test – central ^b	EN 1728:2012, 7.5	Force, N Cycles	750 5	6.2 Armrest downward static load test – central ^c	Force, N Cycles	900 5		
Tests	Reference	Loads and cycles	Test parameters																															
1. Combined seat and back static load test	EN 1728:2012, 7.3	Seat force F1, N Back rest force F2, N Cycles	1600 560 10																															
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	1. Combined seat and back static load test		P																															
/	2. Seat front edge static load test		P																															
/	3. Foot rest static load test		N/A																															
/	4. Seat and back durability		/																															
/	Step 1: Force at point A		P																															
/	Step 2: Force at point C & point B		P																															
/	Step 3: Force at point J & point E		P																															
/	Step 4: Force at point F & point H		P																															
/	Step 5: Force at point D and G		P																															
/	5. Armrests durability		P																															
/	6.1 Armrest downward static load test – central (before the stability tests)		P																															
/	6.2 Armrest downward static load test – central (after the stability tests)		P																															
5..2	Requirements The strength and durability requirements are fulfilled when, after testing in accordance with Table 2: a) there are no fractures of any member, joint or component; b) there is no loosening of joints intended to be rigid; and	Refer to above result(s) of clause 5.1	/																															

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	c) the chair fulfils its functions after removal of the test loads.																										
5.3	Rolling resistance test and requirements The rolling resistance test shall be carried out after the stability (according to Table 1) and after the strength and durability tests (according to Table 2). The unloaded chair shall be tested for rolling resistance according to EN 1728:2012, 6.30 and shall fulfil the following requirements: a) the castors shall be of identical construction; b) the rolling resistance shall be ≥ 12 N.		P																								
6	Information for use Information for use shall be available in the language of the country in which the product will be available to the end user. It shall contain at least the following details: a) information regarding the intended use; b) information regarding possible adjustments; c) instruction for operating the adjusting mechanisms; d) instruction for the care and maintenance of the chair; e) 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; f) information on the choice of castors in relation to the floor surface.	Not request	N/T																								
7	Test Report																										
/	Annex A (informative) Loads, masses and cycles for functional tests – Suggested loads, masses and cycles Tests included in Table A.1 are not safety tests but may be useful for testing functions of the chair. If the functional tests listed in Table A.1 of Annex A (informative) are carried out, they can be carried out on a separated sample. The suggested loads, masses and cycles in this informative Annex are based upon use for 8 h a day by persons weighing up to 110 kg. Table A.1 — Loads, masses and cycles for functional tests <table border="1" data-bbox="284 1798 906 2101"> <thead> <tr> <th>Tests</th><th>Reference</th><th>Loads and cycles</th><th>Test parameters</th></tr> </thead> <tbody> <tr> <td>1. Arm rest downward static load test - front</td><td>EN 1728:2012, 7.6</td><td>Force, N Cycles</td><td>450 5</td></tr> <tr> <td>2. Arm rest sideways static load test</td><td>EN 1728:2012, 7.7</td><td>Force, N Cycles</td><td>400 10</td></tr> <tr> <td>3. Swivel test</td><td>EN 1728:2012, 7.11</td><td>Masse M₁, kg Masse M₂, kg Cycles</td><td>60 35 120 000</td></tr> <tr> <td>4. Foot rest durability</td><td>EN 1728:2012, 7.12</td><td>Force, N Cycles</td><td>900 50 000</td></tr> <tr> <td>5. Castor and chair base durability</td><td>EN 1728:2012, 7.13</td><td>Masse M1, kg Cycles</td><td>110 36 000</td></tr> </tbody> </table>	Tests	Reference	Loads and cycles	Test parameters	1. Arm rest downward static load test - front	EN 1728:2012, 7.6	Force, N Cycles	450 5	2. Arm rest sideways static load test	EN 1728:2012, 7.7	Force, N Cycles	400 10	3. Swivel test	EN 1728:2012, 7.11	Masse M ₁ , kg Masse M ₂ , kg Cycles	60 35 120 000	4. Foot rest durability	EN 1728:2012, 7.12	Force, N Cycles	900 50 000	5. Castor and chair base durability	EN 1728:2012, 7.13	Masse M1, kg Cycles	110 36 000	Refer to below result(s)	/
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Prüfbericht-Nr.: CN24U0E1 012
Test report no.:

Absatz Clause	Anforderungen - Prüfungen / Requirements - Tests	Messergebnisse – Bemerkungen/ Measuring results - Remarks	Ergebnis Result
Annex A	Functional test		
1	Arm rest downward static load test – front		N/T
2	Arm rest sideways static load test		N/T
3	Swivel test		N/T
4	Foot rest durability test		N/T
5	Castor and chair base durability		N/T

Dimensions acc. To EN 1335-1:2020+A1:2022 (Type B):

Height of lumbar support	f	190-250	mm
Angle between seat and back	γ	90	°
Back rest inclination range:	l	23	°
Seat pad angle	e	-7 – 2.9	°
loaded:	a	420 – 526	mm
adjustment range:		106	mm
Depth of the seat:	b	395-448	mm
Backrest height	h	630	mm
Max. distance from the backrest to the front of the armrests:	q	255-310	mm
Height of armrest:	p	219-345	mm
Seat pad width:	d	510	mm
Seat pad depth:	c	360-420	mm
Backrest width:	j	445	mm
Radius of backrest:	K	> 400	mm
Armrest length:	n	220	mm
Armrest width:	o	98	mm
Hip breadth clearance when armrests in widest position:	r	510	mm
Clear distance between armrest pad:	z	385-510	mm
Maximum offset of the under frame:	s	385	mm