

PRZEDSIĘBIORSTWO USŁUGOWO REMONTOWE
REMODEX
ZAKŁAD BADAŃ I WDROŻEŃ PRZEMYSŁU MEBLARSKIEGO
Spółka z o.o.

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SIGN: BW/JK/156/19

DATE: 2019-11-14

Order from: 2019-10-01

TEST REPORT No: 163/19/W

Safety requirements, strength and durability

1. *Name and type of article* - **Swivel chair ERGOTECH**

2. *CLIENT* - PPHU **UNIQUE** Karol Gniado
Stojadła, ul. Kołbielska 27
05-300 MIŃSK MAZOWIECKI

3. *Documents identifying article* - order + technical records.


This article was tested in accordance
with the test procedures described in:

PN-EN 1335-1:2004
PN-EN 1335-2:2019
PN-EN 1728:2012/AC:2013
PN-EN 1022:2019

TEST RESULTS:

POSITIVE

Test operator


.....
/M Sc. (Eng.) Jacek Konieczny

PREZES ZARZĄDU


mgr inż. Piotr Błaszczak

TEST REPORT contain 4 pages

The test results are only valid for the article tested.

This TEST REPORT shall not be reproduced except in full, without the written approval of the laboratory.

TEST REPORT No: 163/19/WName and type of article: **Swivel chair ERGOTECH****Dimension ac. to PN-EN 1335-1:2004**Dimension in mm

point PN-EN	Dimension	Type C		in article		
		min.	max.	min.	max.	
SEAT						
6.1	seat height/* - adjustment range	<i>a</i>	420 80	480 ⊗	420	500 80
6.2	seat depth - adjustment range	<i>b</i>	400 ⊗	⊗ ⊗	420	450 30
6.3	depth of seat surface	<i>c</i>	380	⊗	-	470
6.4	seat width	<i>d</i>	400	⊗	-	490
6.5	inclination of seat surface ¹⁾	<i>e</i>	-2°	-7°	-	0°
BACK						
6.6	the height of point of support backs the "S" above the plane of seat - adjustment range	<i>f</i>	⊗ ⊗	⊗ ⊗	100	150 50
6.7	height of back ²⁾	<i>g</i>	⊗	⊗	-	490
6.9	back rest width	<i>i</i>	360	⊗	-	420
6.10	horizontal radius of the back rest	<i>k</i>	400	⊗	-	780
6.11	back rest inclination - adjustment range	<i>l</i>	⊗	⊗	94°	114° 20°
ARM REST						
6.12	length of arm rest	<i>n</i>	200	⊗	-	270
6.13	width of arm rest	<i>o</i>	40	⊗	-	90
6.14	height of arm rest above the seat/**	<i>p</i>	200	250	175	260
6.15	distance from the front of the arm rests to the front edge of the seat - adjustable	<i>q</i>	100	⊗	78	130
6.16	clear width between the arm rest	<i>r</i>	460	⊗	-	472
UNDERFRAME						
6.17	maximum offset of the underframe (anti-stumbling-dimension)	<i>s</i>	⊗	400	-	380
6.18	stability dimension	<i>t</i>	195	⊗	230	-

⊗ - no requirement specified,

/* - standard allows larger dimension,

/** - standard allows smaller and larger dimension,

1) - not adjustable.

2) - adjustable

Note: the seat depth and inclination of the seat surface does not reach the required minimum value according to the current standard.

SIGNED:



LABORATORIUM

SWIVEL CHAIR

The name, symbol and the type of piece of furniture: **Swivel chair ERGOTECH**

SAFETY REQUIREMENTS:

point PN-EN	Test description	Requirement	Test results
4.1	the edges of the seat, back rest, arm-rests	rounded with minimum 2 mm radius	positive
	the edges of handles	rounded or chamfered	positive
	other edges	free from burrs rounded or chamfered	positive
	the ends and accessible hollow componets	closed or capped	not applicable
	movable and adjustable parts	they do not cause injury	positive
	handling adjusting devices	from sitting position	positive
	connection of load-bearing parts	they do not loosen	positive
4.2.1	shear and squeeze points under influence of powered mechanisms	inadmissible	positive
4.2.2	shear and squeeze points during use	inadmissible	positive

STABILITY:

No	Test description	Loading	Test results
1	Front edge overturning	vertical force 300 N	pass
2	Forward overturning	vertical force 600 N horizontal force 20 N	pass
3	Forward overturning for chair with footrest	vertical force 1100 N horizontal force 20 N	not applicable
4	Sideways overturning for chairs with arm rests	vertical force 250 N vertical force 350 N horizontal force 20 N	pass
5	Rearwards overturning for chairs with blocking the back rest position	vertical force 600 N horizontal force 143 N	pass

SIGNED: 
LABORATORIUM

SWIVEL CHAIR

The name, symbol and the type of piece of furniture: **Swivel chair ERGOTECH**

STRENGTH and DURABILITY

No	Part of furniture	Loading	cycles	Re-quirement	Test results	
1	static load - seat - back	vertical force 1600 N horizontal force 560 N	10	without defects	pass pass	
2	seat front edge static load	vertical force 1600 N	10		pass	
3	foot rest static load	vertical force 1300 N	10		not applicable	
4	Seat and back du- rability	point A	vertical force 1500 N		120000	pass
		point C point B	vertical force 1200 N horizontal force 320 N		80000	pass
		point J point E	vertical force 1200 N horizontal force 320 N		20000	pass
		point F point H	vertical force 1200 N horizontal force 320 N		20000	pass
		point D point G	vertical force 1100 N		20000	pass
5	arms	force 400 N, angel 10° to the vertical	60000		pass	
		vertical force 750 N	5		pass	
		vertical force 900 N	5	pass		
6	resistance of rolling castors ^{*/}	force minimum 12 N	---	---	force – 15 N pass	

*/- castors type H, Ø 50 mm

Attention: the admissible maximum loading of seat - **150 kg**.

SIGNED: 
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