

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

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SIGN: BW/JK/156/18

DATE: 2018-06-29

Order from: 2018-04-16

TEST REPORT No: 108/18/W

Safety requirements, strength and durability

1. *Name and type of article -*

Swivel chair SIG-ZS
(with armrests and synchronous mechanism)

2. *CLIENT -*

MJ DESIGN Kramkowski i Hipe
Spółka Jawna
WIENIEC, ul. Parkowa 29
87-880 BRZEŚĆ KUJAWSKI

3. *Documents identifying article -*

order + photo.

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

PN-EN 1335-1:2004
PN-EN 1335-2:2009
PN-EN 1335-3:2009
PN-EN 1022:2007

TEST RESULTS:

POSITIVE

Test operator


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

PREZES ZARZĄDU


mgr inż. Piotr Błaszczek

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.

SWIVEL CHAIR - DIMENSION

Name and type of article: Swivel chair SIG-ZS

Dimension in mm

point PN-EN	Dimension		Type B		in article	
			min.	max.	min.	max.
SEAT						
6.1	seat height*/ adjustment range	<i>a</i>	420 100	510 ⊗	420	550 130
6.2	seat depth ¹⁾	<i>b</i>	380	440	-	390
6.3	depth of seat surface	<i>c</i>	380	⊗	-	450
6.4	seat width	<i>d</i>	400	⊗	-	500
6.5	inclination of seat surface ²⁾ adjustment range	<i>e</i>	-2° ⊗	-7° ⊗	+3°	-9° 12°
BACK						
6.6	height of the back point support- ing point "S" above the seat sur- face*/- adjustment range	<i>f</i>	170 50	220 ⊗	210	290 80
6.7	height of back pad ¹⁾	<i>g</i>	220	⊗	-	530
6.9	back rest width	<i>i</i>	360	⊗	-	430
6.10	horizontal radius of the back rest	<i>k</i>	400	⊗	-	695
6.11	back rest inclination adjustment range	<i>l</i>	15°	⊗	76°	104° 28°
ARM REST						
6.12	length of arm rest	<i>n</i>	200	⊗	-	290
6.13	width of arm rest	<i>o</i>	40	⊗	-	50
6.14	height of arm rest above the seat - not adjustable	<i>p</i>	200	250	-	215
6.15	distance from the front of the arm rests to the front edge of the seat surface	<i>q</i>	100	⊗	-	100
6.16	clear width between the arm rest	<i>r</i>	460	510	-	495
UNDERFRAME						
6.17	maximum offset of the under- frame (anti-stumbling-dimension)	<i>s</i>	⊗	415	-	345
6.18	stability dimension	<i>t</i>	195	⊗	215	-

⊗ - no requirement specified,

*/ - standard allows larger dimension,

**/ - standard allows smaller and larger dimension,

¹⁾ - adjustable,

²⁾ - inclination of the seat surface along with the inclination of the backrest.

SIGNED:



The name, symbol and the type of piece of furniture: **Swivel chair SIG-ZS**

SAFETY REQUIREMENTS:

point PN-EN	Test description	Requirement	Test results
4.1.1	burrs, sharp edges, open ends of tubes	inadmissible	positive
	shear and squeeze points	inadmissible	
4.1.2	movable and adjustable parts	they do not injuries	positive
4.1.3	connection of bearing parts	they do not get loosen	positive
4.1.4	parts lubricated to assist sliding	does not cause staining	positive

STABILITY:

No	Test description	Loading	Test results
1	Front edge overturning	mass – 27 kg	pass
2	Forward overturning	vertical force F_1 600 N horizontal force F_2 20 N	pass
3	Sideways overturning for chairs with arm rests	vertical force F_1 250 N vertical force F_2 350 N horizontal force F_3 20 N	pass
4	Rearwards overturning	vertical force F_1 600 N horizontal force F_2 192 N	pass
	Rearwards overturning of chairs with back rest inclination	number of discs 13 130 kg – 1 cycle	pass

SIGNED: 
LABORATORIUM

TEST REPORT No: 108/18/W

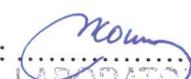
The name, symbol and the type of piece of furniture: Swivel chair SIG-ZS

STRENGTH and DURABILITY

No	Part of furniture		Loading	cycles	Re-quire-ment	Test results
1	Front edge seat		vertical force 1600 N	10	without defects	pass
2	- seat - back		vertical force 1600 N horizontal force 560 N	10		pass
3	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	vertical force 1100 N	20000		pass
		4	arms			vertical force 750 N vertical force 900 N
vertical force 450 N	5					pass
horizontal force 400 N	10					pass
force 400 N , angel $10^{\circ} \pm 1^{\circ}$ to the vertical	60000					pass
5	swivel test of the chair		seat loading p.A-60 kg , p.C-35kg	120000		pass
6	castor ^{*/}	resistance of rolling	force minimum 15 N	---		force - 19 N pass
		durability	seat loading p.A-110 kg	36000	pass	

^{*/} H-type castors

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

SIGNED: 
LABORATORIUM