

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

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SIGN: BW/JK/8/19

DATE: 2019-02-05

Order from: 2018-12-17

TEST REPORT No: 11/19/W

Safety requirements, strength and durability

1. Name and type of article -

Swivel chair ROYCE-ST

2. CLIENT -

MJ DESIGN KRAMKOWSKI I HIPE
Spółka Jawna
WIENIEC, ul. Parkowa 29
87-880 BRZEŚĆ KUJAWSKI

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 1335-2:2009
PN-EN 1335-3:2009
PN-EN 1022:2007**

TEST RESULTS:

POSITIVE

Test operator


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

PРЕЗЕС ЗАРЗАДУ

mgr inż. Piotr Błaszczyk

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 contain 4 pages

SWIVEL CHAIR - DIMENSION

Name and type of article: Swivel chair ROYCE-ST

Dimension in mm

point PN-EN	Dimension	Typ B		in article	
		min.	max.	min.	max.
SEAT					
6.1	seat height*/ adjustment range	a	400 100	510 ⊗	420 100
6.2	seat depth ¹⁾ ***/ adjustment range	b	400 50	420 ⊗	390 445 55
6.3	depth of seat surface	c	380	⊗	- 450
6.4	seat width	d	400	⊗	- 505
6.5	inclination of seat surface ²⁾ adjustment range	e	-2° ⊗	-7° ⊗	-2° -11° 9°
BACK					
6.6	height of the back point supporting point "S" above the seat surface**/ adjustment range	f	170 50	220 ⊗	160 215 55
6.7	height of back pad adjustment range	g	220	⊗	- 540
6.9	back rest width	i	360	⊗	- 480
6.10	horizontal radius of the back rest	k	400	⊗	- 790
6.11	back rest inclination adjustment range	l	15°	⊗	100° 115° 15°
ARM REST					
6.12	length of arm rest	n	200	⊗	- 260
6.13	width of arm rest	o	40	⊗	- 80
6.14	height of arm rest above the seat*/	p	200	250	200 270
6.15	distance from the front of the arm rests to the front edge of the seat surface ¹⁾	q	100	⊗	- 140
6.16	clear width between the arm rest	r	460	510	- 470
UNDERFRAME					
6.17	maximum offset of the underframe (anti-stumbling-dimension)	s	⊗	415	- 390
6.18	stability dimension	t	195	⊗	- 250

⊗ - no requirement specified,

*/ - standard allows larger dimension,

**/ - standard allows smaller dimension,

***/ - standard allows smaller and larger dimension,

¹⁾ - adjustment,

²⁾ - the inclination the surface of seat together with from inclination the back.

SIGNED:

LABORATORIUM

SWIVEL CHAIR

The name, symbol and the type of piece of furniture: Swivel chair ROYCE-ST

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:

Mowat
LABORATORIUM

SWIVEL CHAIR

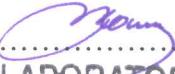
The name, symbol and the type of piece of furniture: **Swivel chair ROYCE-ST**

STRENGTH and DURABILITY

No	Part of furniture	Loading	cycles	Re-quire-ment	Test results
1	Front edge seat	vertical force 1600 N	10		pass
2	- seat - back	vertical force 1600 N horizontal force 560 N	10		pass
3	Seat and back durability	point A	vertical force 1500 N	120000	without defects
		point C	vertical force 1200 N		
		point B	horizontal force 320 N	80000	
		point J	vertical force 1200 N		
		point E	horizontal force 320 N	20000	
		point F	vertical force 1200 N		
4	arms	point H	horizontal force 320 N	20000	
		point D	vertical force 1100 N	20000	
			vertical force 750 N	5	
			vertical force 900 N		
5	swivel test of the chair		vertical force 450 N	5	
			horizontal force 400 N	10	
			force 400 N , angel $10^\circ \pm 1^\circ$ to the vertical	60000	
			seat loading p.A-60 kg , p.C-35kg	120000	
6	castor */	resistance of rolling	force minimum 12 N	---	force - 13 N pass
		durability	seat loading p.A-110 kg	36000	

*/ - W-type castors, Ø 65 mm

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

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