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

Gruszczyn, ul. Leśna 12
62-006 Kobylnica
e-mail: biuro@remodex.com.pl
KRS 0000099068
tel./fax 061 817-49-97
tel.kom. 601 391 825

SIGN: BW/PB/402/2011 DATE: 22.12.2011

Order from 30.11.2011

TEST REPORT No: 301/11/W

Safety requirements, strength and durability

1. *Name and type of article* - **Office swivel chair BORA M with armrest**

2. *CLIENT* - **„MJ DESIGN"**
Kramkowski i Hipe Spółka Jawna
Wieniec ul. Parkowa 29
87-880 BRZEŚĆ KUJAWSKI

3. *Documents identifying article* - order, technical description + 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

TEST RESULTS: **POSITIVE**

Test operator
.....
/M Sc.(Eng.) Piotr Błaszczak/

PREZES ZARZĄDU
mgr inż. Piotr Błaszczak

TEST REPORT contain 4 pages

TEST REPORT No: 301/11/W

OFFICE WORK CHAIR - DIMENSION

Name and type of article: **Office swivel chair BORA M with armrest**

Dimensions according with PN-EN 1335-1:2004

Dimension in mm (**type C.**)

point PN-EN	Dimension		req. PN-EN 1335-1 type B		in article	
			min.	max.	min.	max.
	SEAT					
6.1	seat height */ adjustment range	*a*	420 80	480 ⊗	435	565 130
6.2	seat depth */ adjustment range	*b*	400 ⊗	⊗ ⊗	420	450 30
6.3	depth of seat surface	*c*	380	⊗	-	450
6.4	seat width	*d*	400	⊗	-	470
6.5	inclination of seat surface*/	*e*	-2° ⊗	-7° ⊗	-	-3°
	BACK					
6.6	height of the point "S" above the seat surface*/ adjustment range	*f*	170 ⊗	220 ⊗	200	270 70
6.7	height of the back pad adjustable in height	*g*	260	⊗	-	450
6.9	back rest width	*i*	360	⊗	-	435
6.10	horizontal radius of the back rest	*k*	400	⊗	-	400
6.11	back rest inclination	*l*	⊗	⊗	-	20°
	ARM REST					
6.12	length of arm rest	*n*	200	⊗	-	210
6.13	width of arm rest	*o*	40	⊗	-	48
6.14	height of arm rest above the seat*/	*p*	200	250	-	230
6.15	distance from the front of the arm rests to the front edge of the seat surface	*q*	100	⊗	-	130
6.16	clear width between the arm rest	*r*	460	510	-	465
	UNDERFRAME					
6.17	maximum offset of the underframe (anti-stumbling-dimension)	*s*	⊗	450	-	310
6.18	stability dimension	*t*	195	⊗	220	-

*/ - admit to receive dimension smaller than minimum and larger than maximum

⊗ - no requirement specified

The dimension of swivel chairs are in accordance with requirements of norm for type C

LABORATORIUM

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TEST REPORT No: 301/11/W

OFFICE FURNITURE. OFFICE WORK CHAIR

The name, symbol and the type of piece of furniture: **Office swivel chair BORA M with armrest**

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 600 N horizontal force 20 N	pass
3	Sideways overturning for chairs with arm rests	vertical force 250 N vertical force 350 N horizontal force 20 N	pass
4	Rearwards overturning (chair with adjustable back rest inclination)	13 discs – 130kg	pass

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TEST REPORT No: 301/11/W

OFFICE FURNITURE. OFFICE WORK CHAIR

The name, symbol and the type of piece of furniture: **Office swivel chair BORA M with armrest**

STRENGTH and DURABILITY

No	Part of furniture		Loading	cycles	Require 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 durability	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	5		pass
			vertical force 450 N	5		pass
			horizontal force 400 N	10		pass
			force 400 N , angel 10°±1° 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 -20 N pass
		durability	seat loading p.A-60 kg	36000		pass

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