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. 61 817-49-97
tel. kom. 601 391 825

SIGN: BW/JK/106/15 DATE: 2015-04-30

Order from: 2015-03-04

TEST REPORT No: 104/15/W

Safety requirements, strength and durability

1. *Name and type of article -* **Swivel armchair APOLLO**
(high version on castors with headrest)
Swivel armchair APOLLO M
(version without headrest low on castors)

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 1335-2:2009
PN-EN 1335-3:2009

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: 104/15/W

DIMENSION

Name and type of article: **Swivel armchair APOLLO**

Dimension in mm

point PN-EN	Dimension		req. PN-EN 1335-1 **type C**		in article	
			min.	max.	min.	max.
	SEAT					
6.1	seat height/* - adjustment range	*a*	420 80	480 ⊗	420	500 80
6.2	seat depth	*b*	380	⊗	-	460
6.3	depth of seat surface	*c*	380	⊗	-	465
6.4	seat width	*d*	400	⊗	-	530
6.5	inclination of seat surface/* - adjustment range	*e*	-2° ⊗	-7° ⊗	-2°	-14° 12°
	BACK					
6.6	height of the back point supporting point "S" above the seat surface	*f*	170	220	-	175
6.7	height of the back cushions	*g*	260	⊗	-	480
6.9	back rest width	*i*	360	⊗	-	460
6.10	horizontal radius of the back rest	*k*	400	⊗	-	780
6.11	back rest inclination - adjustment range	*l*	⊗	⊗	104°	115° 11°
	ARM REST					
6.12	length of arm rest	*n*	200	⊗	-	220
6.13	width of arm rest	*o*	40	⊗	-	50
6.14	height of arm rest above the seat[1)]	*p*	200	250	-	165
6.15	distance from the front of the arm rests to the front edge of the seat surface	*q*	100	⊗	-	220
6.16	clear width between the arm rest	*r*	460	⊗	-	520
	UNDERFRAME					
6.17	maximum offset of the underframe (anti-stumbling-dimension)	*s*	⊗	400	-	375
6.18	stability dimension	*t*	195	⊗	230	-

⊗ - no requirement specified

/* - standard allows greater dimension

1) - Attention: height of the armrest (unregulated) above the seat does nat meet the requirements of the standard – height range – 200 – 250 mm.

SIGNED: .....

LABORATORIUM

TEST REPORT No: 104/15/W

SWIVEL CHAIR

The name, symbol and the type of piece of furniture: **Swivel armchair APOLLO, swivel armchair APOLLO M.**

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	vertical force 600 N horizontal force 192 N	pass
	Rearwards overturning of chairs with back rest inclination	number of discs 13 (mass – 130 kg) – 1 cycle	pass

SIGNED: .....

LABORATORIUM

TEST REPORT No: 104/15/W

SWIVEL CHAIR

The name, symbol and the type of piece of furniture: **Swivel armchair APOLLO, swivel armchair APOLLO M.**

STRENGTH and DURABILITY

No	Part of furniture		Loading	cycles	Requirement	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	castors*/	resistance of rolling	force minimum 15 N	---		force - 17 N pass
		durability	seat loading p.A-110 kg	36000		pass

*/ - castors type H

Attention: maximum load of seat - **150** kg.

SIGNED: ……

LABORATORIUM