

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

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SIGN: BW/PB/62/25

DATE: 2025-04-14

Order from: 2025-02-19

TEST REPORT No: 56/25/W

Safety requirements, strength and durability

1. Name and type of article -

Swivel chair GIRO Y

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+A1:2023-04
PN-EN 1335-2:2019-03
PN-EN 1728:2012/AC:2013-09
PN-EN 1022:2024-04**

TEST RESULTS:

POSITIVE

Test operator

.....
/M Sc. (Eng.) Piotr Błaszcza

PREZES ZARZĄDU

mgr inż. Piotr Błaszcza

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 5 pages

SWIVEL CHAIR

Name and type of article: **Swivel chair GIRO Y**

(plastic base, 88 mm high, wheels Ø 50 mm, synchronous mechanism S1, armrests with height adjustment, seat upholstered, mesh backrest, lumbar support with manual height and depth adjustment, gas spring with a stroke of 95 mm)

Dimension ac. to PN-EN 1335-1:2023

Dimension in mm

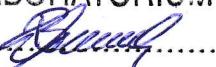
No	Dimension	Type C		Test results
		min.	max.	
SEAT				
1	seat height/* - adjustment range	a 80	430 480 ⊗	410 – 495 pass
2	seat depth	b	425	455 pass
3	depth of seat surface	c	380	⊗ pass
4	seat width	d	400	⊗ pass
5	inclination of seat surface/* - adjustment range	e 5°	-2° ⊗ ⊗	0° - -9° pass
BACK				
6	the height of point of support backs the "S" above the plane of seat - minimum regulation in the range	f ⊗	170 300 ⊗	min. 150 – max. 280 pass
7	height of backrest	g	360	⊗ pass
8	back rest width	i	360	⊗ pass
9	horizontal radius of the back rest	k	400	⊗ pass
10	angle between seat and back	γ	90°	⊗ 96° - 113° pass
11	backrest inclination range	l	⊗	⊗ 26°
ARM REST				
12	length of arm rest	n	150	⊗ pass
13	width of arm rest	o	40	⊗ pass
14	height of arm rest above the seat/* -adjustable range	p ⊗ (50)	200 (225) 250 ⊗	222 – 297 pass
15	maximum distance from the backrest to the front of the armrest	q	-	400 380 pass
16	hip breath clearance when armrests are in widest position ¹⁾	r	460	⊗ pass
17	clear distance between armrest pads	z	460	⊗ pass
UNDERFRAME				
18	maximum offset of the underframe	s	⊗	415 pass

⊗ - requirement not specified,

/* - standard allows smaller/larger dimension,

() - standard requirement for type B - probably an error in the standard - dimension in accordance with the requirements for type B should meet the requirements for type C

LABORATORIUM

SIGNED: 

TEST REPORT No: 56/25/W

SWIVEL CHAIR

Name and type of article: Swivel chair GIRO

(plastic base, 88 mm high, wheels Ø 50 mm, synchronous mechanism S2, armrests with height adjustment, seat upholstered, mesh backrest, lumbar support with manual height and depth adjustment, gas spring with a stroke of 110 mm)

Dimension ac. to PN-EN 1335-1:2023

Dimension in mm

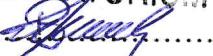
No	Dimension	Type C		Test results
		min.	max.	
SEAT				
1	seat height/* - adjustment range	a 430 80	480 ⊗	420 – 525 pass
2	seat depth	b	425	455 pass
3	depth of seat surface	c	380	⊗ pass
4	seat width	d	400	⊗ pass
5	inclination of seat surface/* - adjustment range	e -2° 5°	⊗ ⊗	-2° – -7° pass
BACK				
6	the height of point of support backs the "S" above the plane of seat - minimum regulation in the range	f 170 ⊗	300 ⊗	min. 190 – max. 250 pass
7	height of backrest	g	360	⊗ pass
8	back rest width	i	360	⊗ pass
9	horizontal radius of the back rest	k	400	⊗ pass
10	angle between seat and back	γ	90°	93° - 110° pass
11	backrest inclination range	l	⊗	22°
ARM REST				
12	length of arm rest	n	150	⊗ pass
13	width of arm rest	o	40	⊗ pass
14	height of arm rest above the seat/* -adjustable range	p 200 (225) ⊗ (50)	250 ⊗	222 – 297 pass
15	maximum distance from the backrest to the front of the armrest	q	-	400 380 pass
16	hip breath clearance when armrests are in widest position ¹⁾	r	460	⊗ pass
17	clear distance between armrest pads	z	460	⊗ pass
UNDERFRAME				
18	maximum offset of the underframe	s	⊗	415 pass

⊗ - requirement not specified,

/* - standard allows smaller/larger dimension,

() - standard requirement for type B - probably an error in the standard - dimension in accordance with the requirements for type B should meet the requirements for type C

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SIGNED: 

SWIVEL CHAIR

The name, symbol and the type of article: **Swivel chair GIRO Y**

SAFETY REQUIREMENTS:

point PN-EN	Test description	Requirement	Test results
4.1	the edges of the seat, back rest, armrests	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 components	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	Forward overturning	vertical force F ₁ 600 N horizontal force F ₂ 20 N	pass
2	Forward overturning for chair with footrest	vertical force F ₁ 1100 N horizontal force F ₂ 20 N	not applicable
3	Front edge overturning	vertical force F ₁ 300 N	pass
4	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
5	Rearwards overturning for chairs with blocking the back rest position	vertical force F ₁ 600 N horizontal force F ₂ 144 N	pass
6	Rearwards overturning of chairs with back rest inclination	number of discs: 13 (130 kg)	pass

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SWIVEL CHAIR

The name, symbol and the type of article: Swivel chair GIRO Y

STRENGTH and DURABILITY

No	Part of furniture	Loading	cycles	Re-quire-ment	Test results
1	static load - seat - back	vertical force 1600 N horizontal force 560 N	10		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 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		
		point H	horizontal force 320 N	20000	
5	arms	point D	vertical force 1100 N	20000	
		point G			
6*/	resistance of rolling castors	force 400 N, angel 10° to the vertical	60000		force - 28 N pass
		vertical force 750 N	5		
		vertical force 900 N	5		

*/ - castors type H, Ø 50 mm

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

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