

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. kom. 601 391 825

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 Błaszczak

PREZES ZARZĄDU


mgr inż. Piotr Błaszczak

TEST REPORT contain 5 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: 56/25/W

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	<i>a</i>	430 80	480 ⊗	410 – 495 pass
2	seat depth	<i>b</i>	425	⊗	455 pass
3	depth of seat surface	<i>c</i>	380	⊗	pass
4	seat width	<i>d</i>	400	⊗	pass
5	inclination of seat surface/* - adjustment range	<i>e</i>	-2° 5°	⊗ ⊗	0° - -9° pass
BACK					
6	the height of point of support backs the "S" above the plane of seat - minimum regulation in the range	<i>f</i>	170 ⊗	300 ⊗	min. 150 – max. 280 pass
7	height of backrest	<i>g</i>	360	⊗	pass
8	back rest width	<i>i</i>	360	⊗	pass
9	horizontal radius of the back rest	<i>k</i>	400	⊗	pass
10	angle between seat and back	<i>γ</i>	90°	⊗	96° - 113° pass
11	backrest inclination range	<i>l</i>	⊗	⊗	26°
ARM REST					
12	length of arm rest	<i>n</i>	150	⊗	pass
13	width of arm rest	<i>o</i>	40	⊗	pass
14	height of arm rest above the seat/* -adjustable range	<i>p</i>	200 (225) ⊗ (50)	250 ⊗	222 – 297 pass
15	maximum distance from the backrest to the front of the armrest	<i>q</i>	-	400	380 pass
16	hip breath clearance when armrests are in widest position ¹⁾	<i>r</i>	460	⊗	pass
17	clear distance between armrest pads	<i>z</i>	460	⊗	pass
UNDERFRAME					
18	maximum offset of the underframe	<i>s</i>	⊗	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	<i>a</i>	430 80	480 ⊗	420 – 525 pass
2	seat depth	<i>b</i>	425	⊗	455 pass
3	depth of seat surface	<i>c</i>	380	⊗	pass
4	seat width	<i>d</i>	400	⊗	pass
5	inclination of seat surface/* - adjustment range	<i>e</i>	-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	<i>f</i>	170 ⊗	300 ⊗	min. 190 – max. 250 pass
7	height of backrest	<i>g</i>	360	⊗	pass
8	back rest width	<i>i</i>	360	⊗	pass
9	horizontal radius of the back rest	<i>k</i>	400	⊗	pass
10	angle between seat and back	<i>γ</i>	90°	⊗	93° - 110° pass
11	backrest inclination range	<i>l</i>	⊗	⊗	22°
ARM REST					
12	length of arm rest	<i>n</i>	150	⊗	pass
13	width of arm rest	<i>o</i>	40	⊗	pass
14	height of arm rest above the seat/* -adjustable range	<i>p</i>	200 (225) ⊗ (50)	250 ⊗	222 – 297 pass
15	maximum distance from the backrest to the front of the armrest	<i>q</i>	-	400	380 pass
16	hip breath clearance when armrests are in widest position ¹⁾	<i>r</i>	460	⊗	pass
17	clear distance between armrest pads	<i>z</i>	460	⊗	pass
UNDERFRAME					
18	maximum offset of the underframe	<i>s</i>	⊗	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: .....

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

LABORATORIUM

SIGNED:

TEST REPORT No: 56/25/W

SWIVEL CHAIR

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

STRENGTH and DURABILITY

No	Part of furniture		Loading	cycles	Re-requirement	Test results
1	static load - seat - back		vertical force 1600 N horizontal force 560 N	10	without defects	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		pass
		point C	vertical force 1200 N	80000		pass
		point B	horizontal force 320 N			
		point J	vertical force 1200 N	20000		pass
		point E	horizontal force 320 N	20000		pass
		point F	vertical force 1200 N			
	point H	horizontal force 320 N	20000	pass		
	point D	vertical force 1100 N				20000
	point G					
5	arms		force 400 N, angel 10° to the vertical	60000		pass
			vertical force 750 N	5		pass
			vertical force 900 N	5		pass
6*/	resistance of rolling castors		force minimum 12 N	---	---	force – 28 N pass

*/ - castors type H, Ø 50 mm

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

LABORATORIUM

SIGNED: