

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

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SIGN: BW/PB/87/21

DATE: 2021-06-25

Order from: 2021-03-03

TEST REPORT No: 80/21/W

Safety requirements, strength and durability

1. *Name and type of article -*

Swivel chair KA-BEGIN



2. *CLIENT -*

INTAR TOOLS
Rozdejczer Spółka Jawna
Parole ul. Szeroka 77
05-831 MŁOCHÓW

3. *Documents identifying article -*

order + technical records.

This article was tested in accordance
with the test procedures described in:

PN-EN 1335-1:2020
PN-EN 1335-2:2019
PN-EN 1728:2012/AC:2013
PN-EN 1022:2019

TEST RESULTS:

POSITIVE

Test operator


.....
/M Sc.(Eng.) Piotr Błaszczak/

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: 80/21/W

SWIVEL CHAIR

Name and type of article: Swivel chair KA-BEGIN

(aluminum base, 80 mm high, wheels Ø 50 mm, synchronous mechanism with seat movement, armrests with height adjustment, forward-backward movement of the pads and twist of the pads, seat upholstered and mesh backrest, gas spring with a stroke of 90 mm)

Dimension ac. to PN-EN 1335-1:2020

Dimension in mm

No	Dimension		Type C		in article	
			min.	max.	min.	max.
SEAT						
1	seat height/* - adjustment range	<i>a</i>	430 80	480 ⊗	427 90	517 90
2	seat depth - adjustment range	<i>b</i>	425 ⊗	⊗ ⊗	415	475 60
3	depth of seat surface	<i>c</i>	380	⊗	-	430
6.4	seat width	<i>d</i>	400	⊗	-	485
6.5	inclination of seat surface/* - adjustment range	<i>e</i>	-2° 5°	⊗ ⊗	+1°	-8° 9°
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 ⊗	150	230 800
7	height of backrest	<i>g</i>	220	⊗	-	620
8	backrest width	<i>i</i>	360	⊗	-	445
9	horizontal radius of the backrest	<i>k</i>	400	⊗	-	750
10	angle between seat and back	<i>γ</i>	90°	⊗	91°	112°
11	backrest inclination range	<i>l</i>	⊗	⊗	-	30°
ARM REST						
12	length of arm rest	<i>n</i>	150	⊗	-	240
13	width of arm rest	<i>o</i>	40	⊗	-	85
14	height of arm rest above the seat/* -adjustable range	<i>p</i>	200 (225) ⊗ (50)	250 ⊗	215	290
15	maximum distance from the backrest to the front of the armrests ¹⁾	<i>q</i>	-	400	294	357
16	hip breath clearance when armrests are in widest position	<i>r</i>	460	⊗	-	510
17	clear distance between armrest pads	<i>z</i>	460	⊗	380	530
UNDERFRAME						
18	maximum offset of the underframe	<i>s</i>	⊗	415	-	380

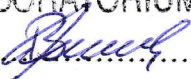
⊗ - requirement not specified,

/* - standard allows smaller/larger dimension,

¹⁾ - adjustable.

() - 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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TEST REPORT No: 80/21/W

SWIVEL CHAIR

The name, symbol and the type of article: Swivel chair KA-BEGIN

SAFETY REQUIREMENTS:

point PN-EN	Test description	Requirement	Test results
4.1	the edges of the seat, back rest, arm-rests	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	Front edge overturning	vertical force 300 N	pass
2	Forward overturning	vertical force 600 N horizontal force 20 N	pass
3	Forward overturning for chair with footrest	vertical force 1100 N horizontal force 20 N	not applicable
4	Sideways overturning for chairs with arm rests	vertical force 250 N vertical force 350 N horizontal force 20 N	pass
5	Sideways overturning for chairs without arm rests	vertical force 600 N horizontal force 20 N	pass
6	Rearwards overturning for chairs with blocking the back rest position	vertical force 600 N horizontal force 138 N	pass
7	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 KA-BEGIN

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				
		point F	vertical force 1200 N	20000		pass	
point H	horizontal force 320 N						
5	arms	point D	vertical force 1100 N	20000		pass	
		point G					
			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 – 16 N pass

*/ - castors type H, Ø 50 mm

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

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