

<b>RAPORT Z BADAŃ</b> <i>Test report</i>	<i>Test mechaniczny wg PN-EN 16139</i> <i>Test stateczności wg PN-EN 1022 :2012</i>	
	<b>numer raportu</b> <i>report no.</i>	<b>MECH/3/24</b>
	<b>numer zlecenia</b> <i>order no.</i>	
	<b>badanie przeprowadził(a)</b> <i>test conducted by</i>	Witold Drożdżik

### 1. Metoda wykonanego badania

#### *Test methods used*

*PN-EN 1728:2012, PN-EN 1728:2012/AC:2013-09,  
PN-EN 1022:2019-03, PN-EN 16139:2013-07,  
PN-EN 16139:2013-07/AC:2013-09*

The tests were performed in accordance with the requirements of the standard: PN-EN 1728:2012

- The static forces were maintained in time (10 ±2) s
- The forces applied during the durability test were maintained by (2 ± 1) s
- The forces may be replaced by masses. The relationship 10 N = 1 kg shall be used .

The tests were performed in accordance with the requirements of the standard: PN-EN 1728:2012

- Forces: ± 5% of the nominal force
- Masses: ± 1% of the nominal mass
- Dimensions: ± 1 mm of the nominal dimension
- Angles ± 2o of the nominal angle
- The accuracy for the positioning of loading pads and impact plates shall be 5 mm.

The object (s) subjected to the strength, durability and stability tests did not have any structural damage that could affect the test results and safety of use.

The object (s) were generally checked prior to testing. All detachable connections were tightened with a torque screwdriver with a torque of 2 Nm

**2. Przedmiot badań***Sample description***A-4101 WRB****3. Data wykonania Badania***Dates*

<b>Starting tests:</b>	2024-02-05
<b>End of tests:</b>	2024-02-14
<b>Report</b>	2024-02-15

**4. Wymiary mebla**

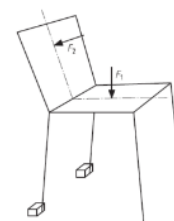
*Furniture dimensions*

- H 780 mm
- W 452 mm
- D 485 mm
- SH 475 mm

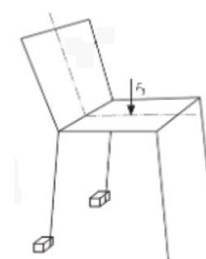
**5. SPRAWOZDANIE Z PRZEPROWADZONYCH BADAŃ  
REPORT CARD FROM TEST**

Methodology PN-EN 1728:2012, PN-EN 1728:2012/AC:2013-09  
Requirements: PN-EN 16139:2013-07, PN-EN 16139:2013-07/AC:2013-09 level 1

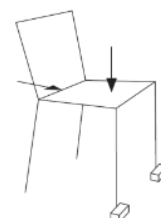
The standard PN-EN 1728:2012 ; PN-EN 1728:2012/AC:2012-09	Test according to: PN-EN 1728:2012 ; PN-EN 1728:2012/AC:2012-09	Tests parameters according to PN-EN 1728:2012 ;PN-EN 1728:2012/AC:2012-09 andthe requirements of the standard PN-EN 16139:2013-07; PN-EN 16139:2013-07/AC:2013-09 level 1		Tests results
		Name of the parameter	The value of the	
4.1	Preliminary preparation	According to the standard		Possitive
4.2	Application of forces	According to the standard		Possitive
4.3	Tolerances	According to the standard		Possitive
5.	Checking equipment and apparatus	Current inspection		Possitive
6.2.1.	Determining the points of application of forces to the seat and backrest.	According to the template WP-PR-03		Possitive
6.2.2.	Determining the points of application of forces to the seat and backrest. Seats with backrest	According to the standard		Possitive
6.3.	Determining the angle of the backrest	According to the template WP-PR-03		
6.4	Seat static load test	Force [N]	1600	Possitive
		Number of cycles	10	
6.4.	Back static load test	Force [N]	560	Possitive
		Number of cycles	10	



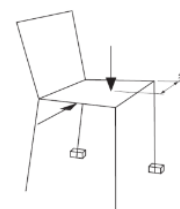
6.5.	Seat front edge static load test	Force [N]	1300	Positive
		Number of cycles	10	



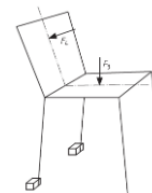
6.15.	Leg forward static load test	Vertical force [N]	1000	Positive
		Horizontal force [N]	500	
		Number of cycles	10	



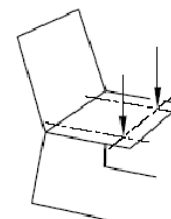
6.16	Leg sideways static load test	Vertical force [N]	1000	Positive
		Horizontal force [N]	400	
		Number of cycles	10	



6.17.	Seat durability test	Force [N]	1000	Positive
		Number of cycles	100000	
6.17.	Back durability test	Force [N]	300	Positive
		Number of cycles	100000	



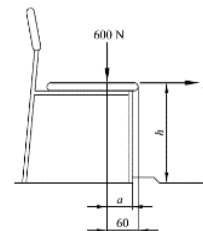
6.18.	Seat front edge durability test	Force [N]	800	Positive
		Number of cycles	50000	



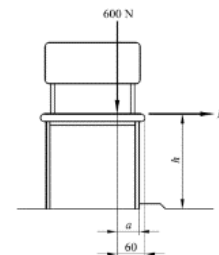
6.27.2	Drop test for seating furniture stackable	Drop heigh [mm]	150	Positive
		Number of cycles	10	
6.27.3	Drop test from table height	Drop heigh [mm]	600	Positive
		Number of cycles	10	
6.28.	Test of free tipping backwards	Number of cycles	5	Positive

Methodology PN-EN 1022:2019-03  
 Requirements: PN-EN 1022:2019-03

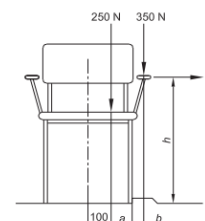
The standard PN-EN 1728:2012 PN-EN 1728:2012/AC:2012-09	Test according to: PN-EN 1022:2019-03	Tests parameters according to PN-EN 1022:2019-03 and the requirements of the standard PN-EN 1022:2019-03		Tests results
		Name of the parameter	The value of the	
7.3.1	Loss of balance forward, all the seating furniture	Veritcal force [N]	600	NA
		Horizontal force [N]	20	
		Time [S]	5	



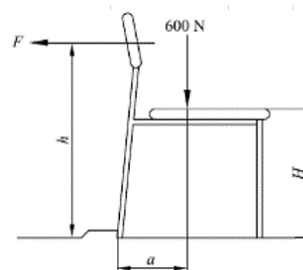
7.3.4	Loss of balance aside, all seating furniture without armrests	Veritcal force [N]	600	NA
		Horizontal force [N]	20	
		Time [S]	5	



6.3.5.2	Losing balance aside, all seating furniture with armrests	Veritcal force [N]	250+350	NA
		Horizontal force [N]	20	
		Time [S]	5	



6.3.6.	Loss of balance backwards, all seating furniture with backs	Veritcal force [N]	600	NA
		Horizontal force [N]	150 *	
		Time [S]	5	
		* $F = (1000 - H) * 0,2857$	<b>F= 150 N</b>	



**Autoryzacja:**  
authorization

Główny Technolog  
*[Signature]*  
Witold Drożdżik