

Nordic Comfort Products A/S
P.O. Box 3
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NORWAY

Determination of dimensions according to EN 1729-1:2015

(3 appendices)

Customer:	Nordic Comfort Products A/S
Test object/ID:	School chair/Rio Z Jr
Test method:	EN 1729-1:2015 Furniture - Chairs and tables for educational institutions – Part 1: Functional dimensions
Scope:	Complete test
Date of test:	2017-07-04
Test result:	The tested chair is rated as size mark 3 for chairs with single-sloped seats
Reservation:	The test results in this report apply solely to the specimen tested
Test environment:	23 ± 2°C and 50 ± 5% relative humidity

RISE Research Institutes of Sweden AB Building Technology - Wood Technological Assessment

Performed by

Examined by

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Appendices

1. Test result (1 page)
2. Description of test object (1 page)
3. Pictures (1 page)

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Appendix 1

Test result

Abbreviations: N/A = Not applicable
N/T = Not tested

Table 1

	Dimensions for chairs with single-sloped seats	Requirements size mark 3	Measured values	Results
S	Point S	160 – 210 mm	200 mm	Pass
h_8	Height of seat	340 – 360 mm	354 mm	Pass
t_4	Effective depth of seat	275 – 325 mm	300 mm	Pass
b_3	Seat width	min. 320 mm	360 mm	Pass
x	Distance between Point S and back of seat pad	max. 30 mm	> 30 mm	Pass
h_7	Backrest height	min. 100 mm	100 mm	Pass
b_4	Width of backrest	min. 260 mm	350 mm	Pass
r_2	Horizontal radius of backrest	min. 300 mm	300 mm	Pass
α	Inclination of seat	$(-5^{\circ}) - (+7^{\circ})$	-2°	Pass
γ	Angle between seat and backrest	$95^{\circ} - 110^{\circ}$	95°	Pass
p	Height of armrest above seat	150 – 180 mm	-	N/A
r	Width between arms	360 – 410	-	N/A

The tested chair is rated as size mark 3 for chairs with single-sloped seats

Colour code according to EN 1729-1:2015 table A.1: Yellow

Size mark 3, colour code Yellow is suitable for persons with a stature range of 119 – 142 cm and a popliteal range of 31.5 – 35.5 cm according to EN 1729-1:2015

Appendix 2

Description of test Object

Test object/ID: School chair/Rio Z Jr

Dimensions

Width: 430 mm

Depth: 418 mm

Height: 670 mm

Seat height: 354 mm

Mass: 3.65 kg

Components

Frame/legs: Steel tube Ø27 mm

Seat shell: Plastic

Sampling: The test object was selected by the customer

Date of arrival at
RISE test laboratory: 2017-03-29

Observed defects before testing: No defects

Appendix 3

Pictures

Figure 1



Figure 2