

Test Report No. 2013-05-23-005

Customer	Scandinavian Business Seating AS Sundveien 7374 Røros, Norway		
Customer contact	Product & Brand Concept v/ Christian Eide Lodgaard		
Test item	Office swivel chair		
Test item ID:	RH Mereo 200 and 220		
Serial No.	11100370404-2		
Order No.	2013-05-23-005		
Date of receipt.	2014-01-23		
Testing commenced / finished	2014-01-27 / 2014-01-28		
Performing Laboratory.	Testlab SB Seating Røros, Scandinavian Business Seating AS Sundveien 7374 Røros, Norway +47 72 40 72 00		
Accredited by.	Norsk Akkreditering Fetveien 99 2007 Kjeller +47 64 84 86 00	Valid from: 2013-04-18 Registration No.: 275	Valid to: 2018-04-18
Tested according to.	NPR 1813:2009+CI:2011 nl		
Test result.	The test item passed the test specifications		
Tested by:			Approved by: 
2014-01-28	Christian Andersson		2014-01-28 Torbjørn Bendixvold
Date	Name	Sign.	Date Name Sign.
Additional information. The test results refer only to the sample tested. The chair is manufactured with parts from the daily production.			
Abbreviations	P	=Passed	
	F	=Failed	
	NA	=Not applicable	
	NT	=Not tested	

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Test equipment.	ID.	Last calibration.	Next calibration.
Chair measuring station	TL-5013	NA	NA
Laser pointer	TL-1269	2014-01-10	2019-01-10
Measuring tape	TL-1247, TL-1203	2012-10-24	2022-10-24
Digital Protractor	TL-1244	2012-10-30	2020-10-30
Loading point template	TL-1225	2013-08-08	2016-08-08
90° square angle	TL-1206	2012-10-26	2017-10-26
Height measuring device	TL-1205	2012-10-26	2020-10-26
Aluminium ruler	TL-1204	2014-01-08	2015-01-08
Radius gage R=400mm	TL-1202	2012-10-25	2022-10-25
Chair measuring device	TL-1201	2013-06-11	2014-06-11
Digital Caliper	D-036	2013-06-02	2013-06-02

Estimated uncertainty of measurement

Measurement	Description	Uncertainty (mm)
<i>a</i>	Seat height	0,12
<i>b</i>	Seat depth	0,59
<i>c</i>	Depth of seat surface	0,14
<i>d</i>	Seat width	0,34
<i>e</i>	Inclination of seat surface	0,25
<i>f</i>	Height of the back supporting point S above the seat surface	0,17
<i>g</i>	Height of the back pad	0,07
<i>h</i>	Height of the upper edge back rest above the seat surface	0,17
<i>i</i>	Back rest width	0,12
<i>k</i>	Horizontal radius of back rest	NA
<i>l</i>	Back rest inclination adjustment range	0,43
<i>n</i>	Length of the useful area of the arm rest	0,04
<i>o</i>	Width of the useful area of the arm rest	0,05
<i>p</i>	Height of the useful area of the arm rest above the seat	0,20
<i>q</i>	Distance from the front of the useful area of the arm rests to the front edge of the seat	0,47
<i>r</i>	Clear width between the useful area of the arm rests	0,14
<i>s</i>	Maximum offset of the underframe	0,80
<i>t</i>	Stability dimension	0,84

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Brief description of the test item upon receipt.

RH Mereo

Office work chair, model range "RH Mereo", with armrests, with two different backrest heights.

Separate adjustment of backrest angle.

Lockable tilt mechanism.

Armrests adjustable in height, width and armrest top is rotatable by approx. 20°.

Seat depth adjustable by lever.

Seat height adjustable by lever.

Backrest height is adjustable by lever on backrest.

Tilt resistance adjustable by turning wheel underneath the seat.

Model 200: Low backrest.

Model 220: High Backrest.



Remarks:

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Standard: **NPR 1813:2009+CI:2011 nl**

	Dimensions	Nominal value (mm)	Measured value (mm)	Remarks
a	Seat height. Adjustment range.	410 – 550 140 min.	412 – 553 141mm	P ¹
b	Seat depth. Adjustment range.	380 – 480 100 min.	351-527mm(low backrest) 350-525mm(high backrest) 176mm low back, 175mm high back	P ² P ² P ²
c	Depth of the seat surface.	440 min.	466mm	P
d	Seat width.	400 min.	425mm	P
e	Seat inclination.	≤ +3° to ≥ -7° (optional)	+3,7° to -18,3°	P
f	Height of the back supporting point "S" above the seat surface.	≤ 170 to ≥ 230	162mm - 236mm(low backrest) 163mm - 236mm(high backrest)	P P
g	Height of the back pad.	370 min.	478mm(low backrest) 632mm(high backrest)	P
h	Height of the upper edge of the backrest relative to point "A".	430 min.	495mm(low backrest) 648mm(high backrest)	P
i	Width of the backrest.	360 min.	452mm(low backrest) 474mm(high backrest)	P
k	Horizontal radius of the backrest at point "S".	R= 400 min.	OK(low backrest) OK(high backrest)	P
l	Backrest inclination.	15° min.	41° (19°back rest adjustment)	P
n	Length of the armrests.	150 min.	203mm	P
o	Width of the armrests.	50 min.	107mm	P
p	Height of the armrests above the seat. Adjustment range.	200 – 300 min. 100 min.	183mm - 297mm 114mm	P ¹
q	Distance from the front of the armrests to the front edge of the seat surface (in point "A")	200 min.	292mm	P
r	Clear width between the armrests	360 – 510	308mm - 509mm	P ¹
s	Maximum offset of the underframe.	365 max. (glides) 415 max. (castors)	389mm	NT P
t	Stability dimension.	195 min.	252mm	P

Remarks

- 1) Within tolerance.
2) Acquired using the backrest inclination.