



Produkte
Products



Prüfbericht - Nr.: <i>Test Report No.: 174012161/GZF/01-01</i>		Seite 1 von 6 <i>Page 1 of 6</i>	
Auftraggeber: <i>Client:</i>	SWAN PRODUCTS DE MEERHEUVEL 8, 5221 EA, DEN BOSCH		
Gegenstand der Prüfung: <i>Test item:</i>	OFFICE CHAIR		
Bezeichnung: <i>Identification:</i>	CUSTOM 1813	Serien-Nr.: <i>Serial No.:</i>	-
Wareneingangs-Nr.: <i>Receipt No.:</i>	174005779-01-A02	Eingangsdatum: <i>Date of receipt:</i>	September 12, 2012
Zustand des Prüfgegenstandes bei Anlieferung: Condition of test item at delivery:	Test item complete and undamaged		
Prüfört: <i>Testing location:</i>	Unit 201, NO.7 Caipin Road GZ Science City, Guangzhou 510663, P.R. China		
Prüfgrundlage: <i>Test specification:</i>	NPR 1813: 2009		
Prüfergebnis: <i>Test Result:</i>	Dimension check:	See page 4	
Prüflaboratorium: <i>Testing Laboratory:</i>	Furniture Testing Laboratory TÜV Rheinland (Guangdong) Ltd.		
geprüft/ tested by:		kontrolliert/ reviewed by:	
October 19, 2012 Kingsley He / TE (Revised on July 24, 2013)		October 19, 2012 Waley Huang / Reviewer (Revised on July 24, 2013)	
Datum <i>Date</i>	Name/Stellung <i>Name/Position</i>	Unterschrift <i>Signature</i>	Datum <i>Date</i>
			Name/Stellung <i>Name/Position</i>
			Unterschrift <i>Signature</i>
Sonstiges/ Other Aspects:			
Test period: October 12, 2012 - October 19, 2012			
Test order: Dimension check for the recommendation value for Dutch work chair according to NPR 1813: 2009 for office use.			
The report was revised on July 24, 2013 for updating client's information based on the report 174005779/GZF/01-02, dated on October 22, 2012.			
Abkürzungen:	P(ass) = entspricht Prüfgrundlage F(ail) = entspricht nicht Prüfgrundlage N/A = nicht anwendbar N/T = nicht getestet	Abbreviations:	P(ass) = passed F(ail) = failed N/A = not applicable N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. <i>This test report relates to the a. m. test item. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.</i>			

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Scope of testing:

General tests:

The following mechanical tests according to NPR 1813: 2009:

- Dimension requirement check

The tests were carried out in indoor ambient conditions at a temperature between 15°C – 25°C. Detailed information regarding measurement uncertainty is available in the test lab and could be shown on customer request. Deviation report in Simplified Chinese is available on client's request.

General tolerances:

Unless otherwise specified the accuracy of the linear dimension is defined according to DIN 7168-g relating to old design and DIN ISO 2768 part 1 „c“ for new design. For all other physical dimensions the uncertainty of measurement shall have an accuracy of < 5 % of the nominal force. The tests are performed in common room climate.

Test standards for mechanical tests:

NPR 1813: 2009 Ergonomics - Guideline for office furniture and its use in interior design of rooms for administration and office spaces - Information guide to the NEN-EN 1335 series, the NEN-EN 527 series and NEN-EN 13761

EN 1335-1: 2000 Office furniture - Office work chair - Part 1: Dimensions - Determination of dimensions

and with respect to the present state of safety engineering following to the German Product Safety Act (ProdSG)

Dimensions:**OFFICE CHAIR:**

Height:	1021 - 1236	mm
Width:	575 - 785	mm
Depth:	520 - 640	mm
Seat height (unloaded):	467 - 617	mm
Armrest height (unloaded):	664 - 918	mm
Base frame:	740	mm
Weight:	21.6	kg

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Dimension	[Symbol]	Adjustability	Recommendation				Measured value	Result
			(-) allow.	Min. ^{a)}	Max. ^{a)}	(+) allow.		
NPR 1813: 2009								
SEAT								
Seat Height ^{b)}	[a]	Adjustable	yes	410	550	yes	408 – 558	Fulfilled
		Adjustment range	no	140	⊕	yes		150
Seat depth	[b]	Non-adjustable	yes	no	no	yes	360 – 480	Fulfilled
		Adjustable	no	380	480	yes		120
Depth of seat surface	[c]		no	440	⊕	yes	445	Fulfilled
Seat width	[d]		no	400	⊕	yes	461	Fulfilled
Inclination of seat surface	[e]	Non-adjustable	yes	no	no	yes	+4.5° ~ -7.3°	Fulfilled
		Adjustable	no	+3°	-7°	yes		11.8°
Adjustment range					⊕			
BACK REST								
Height of the back Supporting point "S" above the seat surface	[f]	Non-adjustable	yes	no	no	yes	168 – 233	Fulfilled
		Adjustable	no	170	230	yes		
Height of the back pad - adjustable in height - non-adjustable in height	[g]		no	370	⊕	yes	509	Fulfilled
			no	no	no			
Back rest width	[i]		no	360	⊕	yes	381	Fulfilled
Horizontal radius of the back rest	[k]		no	400	⊕	yes	900	Fulfilled
Back rest inclination	[l]	Adjustment range	no	15°	⊕	yes	27.0°	Fulfilled
ARMREST								
Length of arm rest	[n]		no	150	⊕	yes	235	Fulfilled
Width of arm rest ^{c)}	[o]		no	50	⊕	yes	60 - 112	Fulfilled
Height of arm rest above the seat	[p]	Non adjustable	yes	no	No	yes	197 – 301	Fulfilled
		Adjustable	no	200	300	yes		
Distance from the front of the arm rest to the front edge of the seat surface ^{d)}	[q]		no	200	⊕	yes	164 – 346	Fulfilled
Clear width between the arm rests ^{e)}	[r]		yes	360	510	yes	350 – 560	Fulfilled
UNDERFRAME								
Maximum offset of the underframe (anti-stumbling –dimension)	[s]		yes	⊕	365 ^{f)}	no	389	Fulfilled
Stability dimension ^{h)}	[t]		no	195	⊕	yes	258	Fulfilled

a) For adjustable functions the Min. and Max. values must be obtained.

b) The minimum range of adjustment is suitable for working surface heights between at least 680 mm and 780 mm. For some part of the user group a foot rest is required.

c) The requirement applies over the minimum value *n* (See clause 6.13).

d) The requirement applies from a height of 170 mm above point "A" (See clause 6.15).

e) The requirement applies to ¾ of the seat depth *b* (Measured from the front edge of the seat) with the back rest in its foremost position (see clause 6.16).

f) If swivel castors are fitted the requirement is 415 mm.

g) *x* is the maximum horizontal distance between parts of the upper part of the chair and the axis of rotation (see clause 6)

h) See clause 4.

⊕ No requirement specified

Pictures:



Pic. 1: Front view _ highest position



Pic. 2: Front view _ lowest position



Pic. 3: Side view



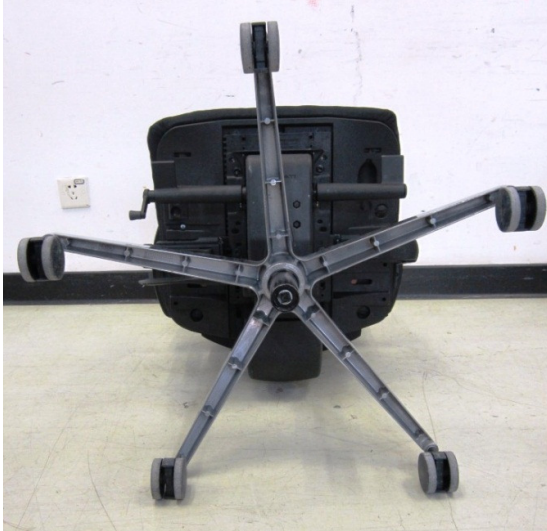
Pic. 4: Back view

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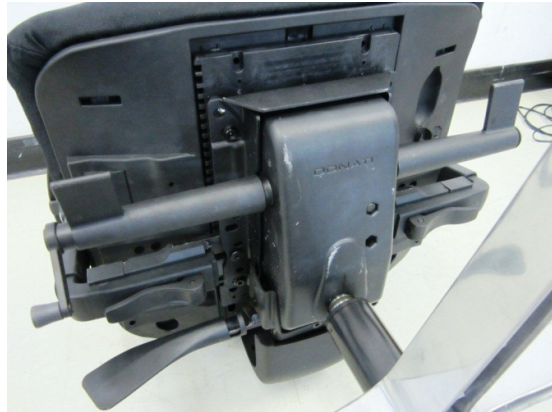
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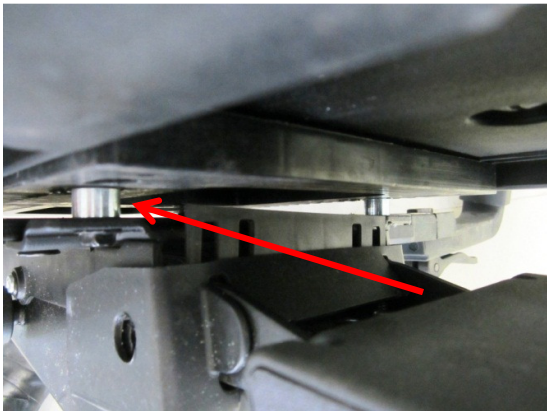
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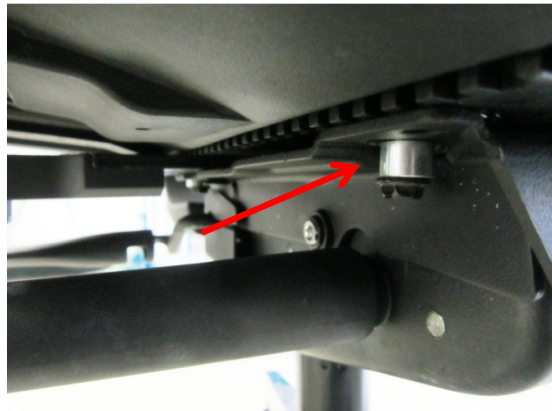
Pic. 5: Bottom view



Pic. 6: Detail view of seat mechanism



Pic. 7: Detail view of screws before modification



Pic. 8: Detail view of screws after modification

Remark(s):

- Only the chair height (page 3) & seat height [a] (page 4) were reduced 9 mm, due to the screw modification. (See Pic. 7 - 8)
- All other data and result were taken from previous test report no. 174005779/GZF/01-02, dated on October 22, 2012.
- The report was revised on July 24, 2013 for updating client's information based on the report 174005779/GZF/01-02, dated on October 22, 2012.

- End of Test Report -