

Test Report No.SDHL2106010180FT-01

Date: Jul 22, 2021 Page 1 of 17

SCHAFFENBURG OFFICE FURNITURE B,V, WATTSTRAAT 2-4,ZWIJNDRECHT,3335 LV,THE NETHERLANDS

Sample Description : AT0-600-NEN / OFFICE CHAIR

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability,

\*\*\*\*\*

reliability or/and integrity accordingly.

Sample Receiving Date : Jun 08, 2021

Test Performing Date : Jun 09, 2021 to Jul 20, 2021

Test Performed : Selected test(s) as requested by applicant

**Test Result Summary** 

No.	Test(s) Requested	Result(s)	Comments					
1	EN 1335-1:2020, Type C	PASS	/					
2	EN 1335-2: 2018	PASS	1					
For fu	For further details, please refer to the following page(s)							

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

Bill Wang

Authorized Signatory





Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307

| Fi, <sup>1</sup> Buiding, European Industrial Park No.1 Sturinte South Ricas (Wasta Section Deliang Town, Shurder, Fostars, Guargdong, China 528333 t (86-757)22805888 f (86-757)22805858 www.sgs.group.com.cn 中国・广东・佛山市順徳区大良街道办事处五沙順和南路1号歌洲工业园一号厂房首层 邮编:528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com



No.SDHL2106010180FT-01

Page 2 of 17

#### Part 1. Test Conducted:

EN 1335-1:2020 Office furniture – office work chair – Part 1: Dimensions – Determination of dimensions

Test Ambient Conditions	Requirements	Actual
Temperature	15 °C to 25 °C	23 °C
Humidity	1	67 %

Date: Jul 22, 2021

Sample information:

No. of sample: 1 pc (Sample 1).

Overall size: 715 mm L x 715 mm D x (1215~1330) mm H

Weight: 18.05 kg

Work Chair Type: Type C

**Work Chair Functions:** 

Seat height:AdjustableSeat depthAdjustableSeat pad angle:AdjustableBack height:FixedBack angle:AdjustableLumbar support:FixedArmrest:AdjustableNeck/head rest:With

Foot support: Without

#### **Decision Rule for Measurement Uncertainty:**

The decision rule to judge if a result is compliant is when the measured value is within the requirement (i.e. less than or equal to an upper limit, greater than or equal to a lower limit), without taking into consideration the measurement uncertainty.

Dimension	Son		Req	uiremei	nts	Record	Results	
Difficusion	Sep.	Туре	Ax	Α	В	С	Record	Results
8 Dimension Require	ments						Dimension in	n millimetres
а	8 9	Allow (-)	yes	yes	yes	yes	Min. a= 418	
	9	Min	400	400	420	430		
Seat height and		Max	540	520	510	480		
sitting height  (See footnote "a", "b"  & "x")	14	Allow (+)	yes	yes	yes	yes	Max. a= 515	PASS
	15	Min. range	160	130	100	80	Range= 97	

#### Footnote

- a. For tall office work chairs the seat height is determined as the vertical distance measured at the front of the seat, from the loaded seat to the floor or top of the foot support. The foot support shall have a minimum diameter of 20 mm or be flat.
- b. For type Ax only, the range can be achieved e.g. by using a telescopic gas cylinder or by providing more than one gas cylinder.
- x. Sitting height is only applicable for chairs with seat pad angles less than 0 (rearwards slope).



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

\*\*Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307

| Fi, f = Building, European Industrial Park No.1 Stunthe South Road, Wasta Section, Datarag Town, Shunde, Fostant, Guaragtong, Chima 5283333 t (86-757) 228058888 f (86-757) 228058588 www.sgsgroup.com.cn 中国・广东・佛山市顕徳区大良街道办事处五沙顧和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86-757) 228058588 f (86-757) 22805858 e sgs.china@sgs.com



No.SDHL2106010180FT-01

Date: Jul 22, 2021

Page 3 of 17

Dimension	Sep.	Requirements					Record	Results
Dimension	Sep.	Туре	Ax	Α	В	С	Record	Results
	10	Allow (-)	yes	yes	yes	yes	Min. b= 415	
b		Min	380	425	425	425		
		Max	430	450	445	-		D400
Adjustable depth of the seat	16	Allow (+)	yes	yes	yes	yes	Max. b= 440	PASS
		Min. range	70	70	50	-	Range = 25	
		Allow (-)			no	no		
b		Min			425	425		
	40	Max			485	-	·	N. A.
Fixed depth of the seat	10	Allow (+)	no	no	no	yes	b = /	NA
		Min. range		fixed	fixed			
	2	Allow (-)	yes	yes	yes	yes	Min. f = /	NA
f	_	Min	170	170	170	170		
	1	Max	300	300	300	300		
Adjustable height of lumbar support		Allow (+)	yes	yes	yes	yes	Max. f = /	
	3	Min. range	70	70	50	-	Range = /	
		Allow (-)			no	no		
f		Min			170	170		
	1	Max	no	no	300	300	f = 210	PASS
Fixed height of lumbar support	'	Allow (+)	110	110	no	no	1 - 210	1 700
		Min. range			-	-		
q		Allow (-)	yes	yes	yes	yes		
Max. distance from	1	Min	-	-	-	-	1	
	10	Max	200	300	350	400	Max. q = 334	PASS
the backrest to the front the armrests	12	Allow (+)	no	no	no	no		
(See footnote "c")		Min. range	-	-	-	-		

#### Footnote.

c. The distance q shall be measured when the minimum usable armrest area template, 150 mm  $\times$  50 mm (Type Ax and Type A) or 150 mm  $\times$  40 mm (Type B and Type C), are parallel to the median plane of the seat.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

\*\*Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone (86-755) 8307



No.SDHL2106010180FT-01

Date:	Jul	22.	2021	
-------	-----	-----	------	--

Page 4 of 17

root rtopo						,	· ·	
Dimension	Sep.		Req	uiremei	nts	Record	Results	
Dilliension	Зер.	Туре	Ax	Α	В	С	Necolu	Results
r		Allow (-)	no	no	no	no		
Hip breadth		Min	480	480	460	460		
clearance when	25	Max	-	-	-	-	Min. r = 465	PASS
armrests are in widest position	25	Allow (+)	yes	yes	yes	yes	Wiiii. 1 – 405	FASS
(See footnote "d")		Min. range	-	-	_	-		
z		Allow (-)	yes	yes	yes	yes	Min. z = 460	
Adjustable clear		Min	410	410	460	460		
distance between	26	Max	510	510	510	510		PASS
armrest pads		Allow (+)	yes	yes	yes	yes	Max. z = 510	T AGG
(See footnote "d" & "e")		Min. range	-	-	-	-		
Z		Allow (-)			no	no		
Fixed clear distance		Min			460	460		
between armrest pads	26	Max	no	no	510	510	Min. z = /	NA
	20	Allow (+)	no	no	no	yes	Wiiii. Z = 7	INA
(See footnote "d" & "e")		Min. range			-	-		

#### Footnote:

- d. The gap shall be retained across the height adjustment range of the armrests for functional fit.
- e. The clear distance 'z' shall be measured when the minimum usable armrest area templates, 150 mm x 50 mm (Type Ax and Type A) or 150 mm x 40 mm (Type B and Type C), are parallel to the median plane of the seat.

0	13	Allow (-) Min	yes 200	yes 200	yes 225	yes 200	Min. p = 194	
p		Max	290	290	250	250		DAGG
Height of armrests adjustable	18	Allow (+)	yes	yes	yes	yes	Max. p = 261	PASS
		Min. range	100	100	50	1	Range = 67	
		Allow (-)			no	no		
р		Min			225	200		
-	13 All	Max	no	no	275	250	Min n - /	NA
Height of armrests not adjustable		Allow (+)	no	no	no	no	Min. p = /	INA
		Min. range			-	-		



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

\*\*Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone (86-755) 8307



No.SDHL2106010180FT-01

Date:	.lul	22	2021
Date.	Jui	44.	2021

Page	5	οf	17	
raue	IJ	UI		

Dimension	San	Requirements					Dagard	Deculto
Dimension	Sep.	Type	Ax	Α	В	С	Record	Results
		Allow (-)	no	no	no	no		
		Min	400	400	400	400		
d	19	Max	-	-	-	-	Min. d = 520	PASS
Seat pad width	19	Allow (+)	yes	yes	yes	yes	Wiiii. u = 320	1700
		Min. range	-	-	-	-		
		Allow (-)	no	no	no	no		
С		Min	380	400	400	400		
	20	Max	-	-	-	-	Min. c = 520	PASS
Seat pad depth	20	Allow (+)	yes	yes	yes	yes	0 020	17100
		Min. range	-	-	-	-		
	11	Allow (-)	no	no	no	no	Min. h = 605	
h		Min	360	360	360	360		PASS
ll II		Max	-	-	-	-	Max. h = /	
Backrest height	17	Allow (+)	yes	yes	yes	yes		
		Min. range	-	-	-	ı		
		Allow (-)	no	no	no	no		
;		Min	360	360	360	360		
j	21	Max	-	-	-	-	Min. j = 395	PASS
Backrest width	21	Allow (+)	yes	yes	yes	yes	Willi. j = 393	1 700
		Min. range	-	-	-	ı		
		Allow (-)	no	no	no	no		
k		Min	400	400	400	400		
^	22	Max	-	-	-	-	Min. k = 755	PASS
Radius of backrest	22	Allow (+)	yes	yes	yes	yes	IVIIII. K = 755	1 700
		Min. range	-	-	-	-		



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's Instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized attention, forgety or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@ags.com



No.SDHL2106010180FT-01

Date: J	lul 22.	, 2021
---------	---------	--------

Page (	6 of	17
--------	------	----

Dimension	Sep.	Requirements				Record	Results	
Dilliension	Sep.	Туре	Ax	Α	В	С	Record	Results
		Allow (-)	no	no	no	no		
		Min	150	150	150	150		
n	23	Max	-	-	-	-	Min n = 047	DACC
Armrest length	23	Allow (+)	yes	yes	yes	yes	Min. n = 247	PASS
		Min. range	-	-	-	-		
		Allow (-)	no	no	no	no		
		Min	50	50	40	40		
O	24	Max	-	-	-	-	Min. o = 82	PASS
Armrest width		Allow (+)	yes	yes	yes	yes		17.00
		Min. range	-	-	-	-		
		Allow (-)	yes	yes	yes	yes	Max. s = 390	PASS
s	27	Min	-	-	-	ı		
		Max	415	415	415	415		
Offset of the underframe		Allow (+)	no	no	no	no		
		Min. range	-	-	-	ı		
Angle Requirements	•	1	1	1	1		Ang	le in degrees
Y		Allow (-)	no	no	no	no		PASS
		Min	90	90	90	90		
Angle between seat	4	Max	-	-	-	-	γ = 91	
and back		Allow (+)	yes	yes	yes	yes	'	
(See footnote "a")		Min. range	-	-	-	-		
Footnote: a. As long as it is possible to achieve an angle of minimum 90° between seat pad and backrest, the requirement is fulfilled.								
l Backrest inclination range	5	Allow (-) Min Max Allow (+) Min. range	Min. 15°	Min. 15°	Min. 15°	-	Range = 36.45	Reference



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's Instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized attention, forgety or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@ags.com



No.SDHL2106010180FT-01

Date: Jul 22, 2021

Page 7 of 17

Dimension	Sep.	Requirements				Record	Results	
Dilliension	Sep.	Туре	Ax	Α	В	С	Record	Results
	6	Allow (-)	yes	yes	yes	yes	Min. e = -19.45	PASS
е		Min	0	0	-2	-2		
		Max	-	-	-	-		
Seat pad angle adjustable	7	Allow (+)	yes	yes	yes	yes	Max. e = -0.6	
,	,	Min. range	-	-	-	-		
e Min. adjustment range (See footnote "b")	7	Allow (-) Min Max Allow (+) Min. range	5	5	5	5	Range = 18.85	PASS
	6 -	Allow (-)	no no	no	no	no	e = /	NA
		Min			+2	+2		
Seat pad angle fixed		Max			-5	-7		
		Allow (+)			110	no	no	,
		Min. range			-	-		

#### Footnote:

b. The adjustment range shall include the specified seat pad angle.

Dimensions of neck rests and headrests (Informative)							Dimension in millimetres			
		Allow (-)	no	no	no	no	Min. x = /	NA		
X		Min	550	550	590	590				
Height of adjustable	28	Max	740	740	-	-	Max. x = /			
Height of adjustable neck rest or head rest	(+)	Allow (+)	yes	yes	yes	yes				
		Min. range	-	-	-	-				
				٠.			no	no		
<ul><li>x</li><li>Height of fixed neck rest or head rest</li></ul>		Min	] 	no	590	590	Min. x = 680	PASS		
		Max			-	-				
			no		yes	yes				
		Min. range			-	-				



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgety or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com

1后, 「Buiding European Industrial Part, No.1 Shurthe South Read, Wasta Seaton, Dallary Town, Shurthe, Evatan, Guargdong, China 528333 t (86-757) 22805888 f (86-757) 22805858 www.sgs.group.com.cn 中国·广东·佛山市順德区大良街道办事处王沙顺和南路1号欧洲工业园一号厂房首层邮编: 528333 t (86-757) 22805888 f (86-757) 22805858 e sgs.china@sgs.com



No.SDHL2106010180FT-01

	Posults	
•	•	

Page 8 of 17

Date: Jul 22, 2021

Tests and Requirements	Results
9 Information for use	
Information for use shall be available in the language of the country in which it will be delivered to the end user. It shall contain at least the following details:  a) the Type of chair (Type Ax, Type A, Type B or Type C); b) information regarding the intended use; c) instructions for operating the adjusting mechanisms; d) assembly instructions, where applicable; e) instructions for the care and maintenance of the chair; f) if the chair is fitted with castors, Information on the choice of castors in relation to the floor surface; g) the statement: "Warning! Only trained personnel may replace or repair components for height adjustment of seating furniture with energy storage."	PASS

## Part 2. Test Conducted:

EN 1335-2:2018 Office furniture - Office work chair - Part 2: Safety requirements.

#### No. of Sample:

1 pc (Sample 2). For more sample information and pictures, please refer to the following page.

Test and Requirements	Test Results				
4 Safety requirements					
4.1 General					
The chair shall be so designed as to minimise the risk of injury to the user.					
All parts of the chair with which the user comes into contact during intended use, shall					
be so designed that physical injury and damage to property are avoided.					
These requirements are fulfilled when:					
a) the edges of the seat, back rest and arm rests which are in contact with the user					
when sitting in the chair are rounded with minimum 2 mm radius;					
b) the edges of handles are rounded or chamfered in the direction of the force	PASS				
applied;					
c) all other edges and corners are free from burrs and rounded or chamfered;					
d) the ends of accessible hollow components are closed or capped.					
Movable and adjustable parts shall be designed so that injuries and inadvertent					
operation are avoided.					
It shall be possible to operate the adjusting devices from sitting position in the chair.					
It shall not be possible for any load bearing part of the chair to come loose					
unintentionally.					
4.2 Shear and squeeze points					
4.2.1 Shear and squeeze points under influence of powered mechanisms					
There shall be no accessible shear and squeeze points created by parts of the chair	PASS				
operated by powered mechanisms, i.e. springs, gas lifts and motorized systems.					



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

\*\*Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307



No.SDHL2106010180FT-01

Date: Jul 22, 2021	Page 9 of 17
--------------------	--------------

Test and Requirements	Test Results
4.2.2 Shear and squeeze points during use	
There shall be no accessible shear and squeeze points created by loads applied during	
normal use.	PASS
Shear and squeeze points are not acceptable if there is a risk of injury created by the	FASS
weight of the user during normal movements and actions, e.g. manipulating levers and	
crank handles.	
4.3 Sequence of testing	
All applicable tests shall be carried out on the same sample.	
The chair shall be tested for stability according to EN 1022:2018, 7.3 and in the order of	
The chair shall be tested for strength and durability according to EN 1728:2012, Clause 7	7 and in the order of
Table 2.	
With the exception of the armrest downward static load test – central test, which shall be	performed before and
after the stability test according to Table 1, the chair shall be tested for stability after the	strength and durability
tests according to Table 2.	
4.4 Stability tests and requirements	
When tested according to Table 1, the seating shall not overturn.	
EN 1022: 2018, 7.3.3 Corner stability test	
This test is only applicable on seating where it is possible to apply the stability loading	
pad at the specified position. Where features such as arms prevent the loading pad	
from being applied at the specified position, the test is not applicable.	
Position the seating on the floor surface with two adjacent supporting points on the	
front, or base restrained by stops.	
The loading point shall be defined as the point 60 mm from the edge of the load	
bearing structure on a line that passes through the seat loading point and the	PASS
intersection of lines parallel to the transverse and median planes, projected from the	
most forward point of the load bearing structure and the side edges of the load bearing	
structure of the seat at the widest point on the seat at, or in front of, the transverse	
plane.	
For seating with a single seat apply a force of 300 N vertically by means of the loading	
pad acting at the loading point X. For seating with multiple seats apply a force of 300 N	
at the loading point X on one outside seating position.	
EN 1022: 2018, 7.3.1 Forwards overbalancing, all seating	
Position the seating on the floor surface with two adjacent supporting points on the	
front or base restrained by stops.	
Apply a force of 600 N vertically (for multiple sitting places to a maximum of 2 places,	
simultaneously) by means of the loading pad acting at those points 60 mm behind the	
front edge of the load bearing structure most likely to result in overturning.	
At each loaded position apply a force of 20 N for at least 5 s horizontally outwards	
along a horizontal line extended forward from the point where the base of the loading	DAGG
pad meets the upper surface of the seat.	PASS
For items of seating with a leg rest attached to the structure of the item, and where the	
leg rest is designed to support the weight of the user, the test procedure shall be	
repeated with the leg rest fully extended and the force of 600 N vertically by means of	
the loading pad acting at the point on the centre line of the leg rest 60 mm behind the	
front edge of the load bearing structure.	
For items of seating with a leg rest not designed to support the weight of the user the	
test is not applicable to the leg rest.	



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's Instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized attention, forgety or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@ags.com

1后, 「Buiding European Industrial Part, No.1 Shurthe South Read, Wasta Seaton, Dallary Town, Shurthe, Evatan, Guargdong, China 528333 t (86-757) 22805888 f (86-757) 22805858 www.sgs.group.com.cn 中国·广东·佛山市順德区大良街道办事处王沙顺和南路1号欧洲工业园一号厂房首层邮编: 528333 t (86-757) 22805888 f (86-757) 22805858 e sgs.china@sgs.com



No.SDHL2106010180FT-01

Test and Requirements	Test Results
EN 1022: 2018, 7.3.2 Forwards overturning for seating with footrest  For seating with foot rests of tubular construction, or where the foot rest depth is less than 120 mm, repeat the procedure in 7.3.1 applying the vertical force of 1100 N for swivelling seats and 600 N for all other seating respectively at the most onerous point along the centre line of the tube, or the middle of the foot rest surface, by any suitable means.  For all other seating with foot rests apply the vertical force of 600 N at the most onerous point 60 mm from the edge of the foot rest by means of the local loading pad. For foot rests apply a force of 20 N horizontally outwards along a horizontal line extended forward from the point where the base of the loading pad meets the upper surface of the foot rest.	NA
EN 1022: 2018, 7.3.4 Sideways overbalancing, all seating without arms  This test is applicable to all seating where the top edge of the seat on the transverse plane is 50 mm or less above the height of the loaded seat loading point. The transverse plane shall pass through the seat loading point.  Position the seating on the floor surface with two adjacent supporting points on one side, or base restrained by stops.  Apply a force of 600 N vertically by means of the loading pad at a point 60 mm behind the edge of the load bearing structure on the side nearest the stopped feet and on the transverse plane of the seat.  In the transverse plane, apply a sideways force of 20 N horizontally outwards along a line from the point where the base of the loading pad meets the upper surface of the seat.	NA
This test is applicable to all seating with arms, or where the top edge of the seat on the transverse plane is more than 50 mm above the height of the seat loading point (A).  7.3.5.2 Seating with arm rests  Position the seating on the floor surface with two adjacent supporting points on one side, or base restrained by stops.  Apply a force of 250 N vertically by means of any suitable device, at a point 100 mm to the side of the fore and aft centre line of the seat which is nearest the stopped feet and on the transverse plane.  Apply a force of 350 N vertically by any suitable device, at a position on the centre line of the arm up to a maximum 40 mm inwards from the outside edge of the arm structure at the intersection of the arm rest and the transverse plane, but not less than 40 mm from the front or rear edge of the arm structure.  If the transverse plane does not intersect with the arm rest, apply the force of 350 N 40 mm from the point at the front or rear of the arm rest structure that is nearest the transverse plane.  Apply a horizontal force of 20 N outwards, and perpendicular to the line joining the stopped feet, for at least 5s, at the upper surface of the seat or arm rest in line with the vertical force of 350 N and on the side with stopped feet.	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's Instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized attention, forgety or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@ags.com



No.SDHL2106010180FT-01

Date: Jul 22, 2021

Page 11 of 17

,	_
Test and Requirements	Test Results
EN 1022: 2018, 7.3.6 Rearwards overturning all seating with back rests  The test is not applicable to seating that has adjustable back rest inclination that cannot be locked in position.  For seating that has an adjustable back rest inclination that can be locked in position, it shall be locked in the most upright position. When an independent lumbar adjustment is fitted it shall be set in the most adverse configuration.  Position the seating on the floor surface with the rear legs, two adjacent supporting	
points on the back, or base restrained by stops.  Apply a vertical force of 600N to the seat by means of the loading pad at the seat loading point (A).  Apply the force F <sub>2</sub> horizontally in a rearward direction to the back of the seating at the	PASS
back loading point, B, or at the top edge of the back rest, whichever is the lower.  When the seating has more than one sitting place, carry out the procedure on two most adverse sitting places simultaneously.  If the back rest pad is pivoting around a horizontal axis above the height of the seat and is free to move, the horizontal force shall be applied on the axis. If the back rest is	
height adjustable, the axis shall be set as close as possible to 300 mm above the seat loading point (A). <b>EN 1022: 2018, 7.4.2 Tilting chairs</b> The test method applies to all values of $\theta \ge 10^\circ$ and values of $\gamma$ between 90° and 170°.	
If the seating has a locking system it shall be disabled.  Load the seat with the 13 loading discs so that the discs are firmly settled against the back rest. If the height of the stack of discs exceeds the height of the back rest, or if support is needed, prevent the discs from sliding off by the use of the support.	PASS
<ul> <li>4.5 Structural safety requirements</li> <li>The structural safety requirements are met when the requirements according to 5.2 are f</li> <li>5.2 Requirements</li> </ul>	ulfilled.
The strength and durability requirements are fulfilled when, after testing in accordance w  a) there are no fractures of any member, joint or component;  b) there is no loosening of joints intended to be rigid; and  c) the chair fulfils its functions after removal of the test loads.	ith Table 2:
EN 1728: 2012, 7.3 Combined seat and back static load test  Prevent the chair from moving rearwards by placing stops behind two adjacent supporting points at the rear of the chair.  Chairs with a locking device(s) for seat and/or back rest angle movements shall be	
tested first with the device(s) locked for half of the cycles and then with the device(s) unlocked for the other half of the cycles. For the first half of the cycles the back rest shall be in the upright position.  Apply a vertical force of 1600 N through the seat loading pad at point A. Keep the seat loaded and apply a force of 500 N through the control of the back loading pad at point as	PASS

loaded and apply a force of 560 N through the centre of the back loading pad at point B. When fully loaded the force shall act at  $(90 \pm 10)^{\circ}$  to the back rest plane. If the chair tends to overturn, reduce the back rest force and report the actual force. Remove the

Position the smaller seat loading pad at loading point F or J. Apply a vertical downward

back force and then the seat force. Repeat the test for 10 cycles.

force of 1600 N for 10 cycles through the centre of the loading pad.

EN 1728: 2012, 7.4 Seat front edge static load test



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-en-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgety or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) tested on 30 days only.

Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com

1后, 「Buiding European Industrial Part, No.1 Shurthe South Read, Wasta Seaton, Dallary Town, Shurthe, Evatan, Guargdong, China 528333 t (86-757) 22805888 f (86-757) 22805858 www.sgs.group.com.cn 中国·广东·佛山市順德区大良街道办事处王沙顺和南路1号欧洲工业园一号厂房首层邮编: 528333 t (86-757) 22805888 f (86-757) 22805858 e sgs.china@sgs.com

**PASS** 



No.SDHL2106010180FT-01

Test and Requirements				Test Results
EN 1728: 2012, 7.8 Foot rest static Apply the specified downward force of Apply a vertical force of 1300 N by m 80 mm from front edge of the load be most likely to cause failure. For round shall be applied through the centre o If the seating tends to overturn, incre prevents overturning and record the	o the sea eans of tearing stread d cross seaf the ring ase the leas	at at the seat loading he local loading pacucture of the foot re ection ring shaped foross section.	d for 10 cycles acting st at those points footrests, the force	NA
The upper part of the chair shall be priday between two adjacent supports supporting points.  The seat load shall be applied verticated, and using the smaller seat loading force shall be applied at an angle of the back loading pad.  All chairs shall be tested to steps 1 to Chairs with a locking device(s) for set tested in step 2, first with the device(device(s) unlocked for the other half back rest shall be in the upright positis set free to move.  One cycle shall consist of the applicational point(s).  Each step shall be completed before First the seat force shall be applied at If the back rest pad is pivoting around and is free to move, the horizontal for adjustable, the axis shall be set as classis cannot be adjusted to 300 mm, amoment.  Step  A  C  B  J  E  F  H  D  G  G	ositioned orting poir ally using g pad in p (90 ± 10)' o 5. at and/or s) locked of the cyc ion. In sto ation and going to and maint d a horizonce shall ose as poirting	I so that the centre of the of the base with the seat loading particular the seat loading particular to the back rest will back rest angle more for half of the cycle cles. For the first half of the force the next, ained while the back rest above the be applied on the acceptable to 300 mm and seat the seat and seat an	stops against these ad in positions A and d J. The back rest hen fully loaded using  evements shall be es and then with the lf of the cycles, the nechanism shall be e(s) at the respective ek rest force is applied. e height of the seat xis. If height above point A. If the	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's Instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized attention, forgety or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@ags.com



No.SDHL2106010180FT-01

Date: Jul 22, 2021 Page 13 of 17
----------------------------------

Test and Requirements	Test Results
Place the chair on the test floor with stops against the outside of the legs, feet or castors. The test forces shall be applied simultaneously on each arm rest, at the point most likely to cause failure, but not less than 100 mm from the front or rear edge of the arm rest length and through the centre of the width of the arm rest, but not more than 100 mm from the inner edge of the arm rest. Using the arm rest durability test apparatus, adjust the apparatus so that with no load applied to arm rests the angle of load application arms is $(10 \pm 1)^{\circ}$ to the vertical and the distance between the low friction pivots and the horizontal surface of the arm loading devices is $(600 \pm 10)$ mm. With the apparatus set as above, apply the load of 400 N for 60000 cycles to both arm rests simultaneously for seating with only one seating position and to one arm rest only for seating with multiple seating positions.	PASS
EN 1728: 2012, 7.5 Arm rest downward static load test – central  The arm rests shall be loaded vertically with 750 N before the stability tests and 900 N after the stability test respectively, by means of the local loading pads for 5 cycles. The loading points shall be at the mid point of the arm rest length and centred side to side. In the case of an arm rest which is not horizontal, or which is curved, the length is measured in a horizontal plane 20 mm below the highest point of the arm rest. Apply the force to both arm rests simultaneously.	PASS
<ul> <li>5.3 Rolling resistance test and requirements</li> <li>The rolling resistance test shall be carried out after the stability (according to Table 1) and after the strength and durability tests (according to Table 2).</li> <li>The unloaded chair shall be tested for rolling resistance according to EN 1728:2012, 6.30 and shall fulfil the following requirements:</li> <li>a) the castors shall be of identical construction;</li> <li>b) the rolling resistance shall be ≥ 12 N.</li> <li>EN 1728: 2012, 6.30 Rolling resistance of the unloaded chair</li> <li>The chair shall be placed on the test floor and shall be pushed or pulled over a distance of at least 550 mm. A speed of (50 ± 5) mm/s shall be maintained over the measuring distance. The force shall be applied at a height of (200 ± 50) mm above the test surface.</li> <li>Record the force used to push or to pull the chair over the distance from 250 mm to 500 mm as the rolling resistance.</li> </ul>	PASS
6 Information for use Information for use shall be available in the language of the country in which the product will be available to the end user. It shall contain at least the following details:  a) information regarding the intended use; b) information regarding possible adjustments; c) instruction for operating the adjusting mechanisms; d) instruction for the care and maintenance of the chair; e) information for chairs with seat height adjustments with energy accumulators that only trained personnel may replace or repair seat height adjustment components with energy accumulators; f) information on the choice of castors in relation to the floor surface.  Annex A	PASS

Tests included in Table A.1 are not safety tests but may be useful for testing functions of the chair. If the functional tests listed in Table A.1 of Annex A (informative) are carried out, they can be carried out on a separated sample.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions</a> for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fulliest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only. Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307

1/F, Paulding European Industrial Part, No.1 Shunte South Road, Wusta Section, Dallang Town, Shunde, Fosten, Guangdong, China 528333 t (86-757) 22805888 f (86-757) 22805858 www.sgsgroup.com.cn 中国·广东·佛山市順德区大良街道办事处五沙顺和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com



No.SDHL2106010180FT-01

Date: Jul 22, 2021

Page 14 of 17

rest Report	NO.3D11L2100010100111-01	Date. Jul 22, 202	Tage 14 OI
Test and Requirements	Test Results		
EN 1728: 2012, 7.6 Arm rest of			
	vertically with 450 N by means of the		5400
for 5 cycles. The loading points shall be 75 mm from the front edge and centred side to		PASS	
side.	to simultaneously		
Apply the force to both arm res			
	apply an outward force of 400 N to the	e arm rest at the	
	kely to cause failure, but not less than		
	pply the force for 10 cycles using the		
	ply a load on the side of the seat opp		
rest under test large enough to	prevent the item from overturning.		PASS
	apply an outward force of 400 N to e		F A33
	along the arm rests most likely to car		
	nd of the arm rest structure, (see Fig	ure 13). Apply the	
force for 10 cycles using the loc		ala af adla a at a sas	
	arm rests, carry out the test on one pa	air of adjacent arm	
rests. All different arm rest desi			
	secured on a rotating table with a test	surface so that the	
	des with the rotating axis of the table.		
	n such a way as not to hinder the rot		DA 00
	A with 60 kg and in loading point C wit		PASS
	sult in the same downwards force and		
	ion shall be $360^{\circ}$ at a rate of $(10 \pm 5)$		
	ation. Repeat the test for 120000 cyc	les.	
EN 1728: 2012, 7.12 Foot rest		. ,	
	force to the seat at the seat loading po		
	by means of the local loading pad act tructure of the foot rest at those point		
	section ring shaped footrests, the force		NA
through the centre of the ring c		o oriali be applied	14/7
	increase the load on seat to a magni	itude that just	
prevents overturning and recor		,	
l D			



Repeat the test for 50000 cycles.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgety or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com

1f.; f buiding Europsen Industrial Part No.1 Sturte South Read Wests Soution, Dallarg Town, Sturde, Fostan, Guargoing, Chine 528333 t (86-757)22805888 f (86-757)22805858 www.sgsgroup.com.cn 中国・广东・佛山市原穂区大良街道办事处五沙原和南路1号欧洲工业园一号厂房首层邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com



EN 1728: 2012, 7.13 Castor and chair base durability

**Test and Requirements** 

No.SDHL2106010180FT-01

This test does not apply to chairs with castors which are braked when the chair is

One rotation forward and one rotation backward constitutes one cycle.

The chair shall be placed on a rotating table with a test surface so that the rotating axis of the chair coincides with the rotating axis of the table. Load the seat at point A with the load of 110 kg. The base shall be loosely fixed in such a way that there is no

rotation of the base but that the natural movements of the castors during testing are not prevented. The castors shall be left free to swivel and the table shall be rotated with a rate of six cycles per minute. The angle of rotation shall be from 0° to 180° and back.

Alternatively attach the chair to a device that provides a linear movement of (1 000  $\pm$  250) mm and a test surface. Load the seat at point A with the load of 110 kg. The base shall be loosely fixed in such a way that there is no rotation of the base but that the natural movements of the castors during testing are not prevented. The castors shall be left free to swivel and the device shall move with a rate of six cycles per minute. One movement forward and one movement backward constitutes one cycle.

For both alternatives it is recommended to perform the test with a speed as slow as possible with a short break when the device changes direction. Repeat the test for

1	Page 15 of	17
	Test Results	
	PASS	
	PA33	

#### Remark:

36000 cycles.

loaded.

- NA Not applicable; NR Not Requested.
- 2. This test report is to supersede No. SDHL2106010180FT test report which was issued on Jul 15, 2021. And the original test reports (paper and electronic) are invalid.
- 3. For the sample information and pictures, please refer to the following page.



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

\*\*Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307

| Fi,f<sup>+</sup>Building,European Industrial Part,Mo.1.Shurthe South Read,Wasta Seaton,Dalaray Town,Shurde,Festars,Guargdong,China 528333 t (86-757)22805888 f (86-757)22805858 www.sgs.group.com.cn
中国・广东・佛山市順徳区大良街道办事处五沙順和南路1号欧洲工业园一号厂房首层 邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com



## No.SDHL2106010180FT-01

## Page 16 of 17

## **Photo Appendix**





Date: Jul 22, 2021







Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's Instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized attention, forgety or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@ags.com

1后, 「Buiding European Industrial Part, No.1 Shurthe South Read, Wasta Seaton, Dalang Town, Shurthe, Fostan, Gazagónng, China 528333 t (86-757)22805888 f (86-757)22805858 www.sgs.group.com.cn 中国·广东·佛山市順德区大良街道办事处王沙顺和南路1号宏洲工业园一号厂房首层邮编: 528333 t (86-757)22805888 f (86-757)22805858 e sgs.china@sgs.com



No.SDHL2106010180FT-01

Date: Jul 22, 2021

Page 17 of 17









\*\*\*End of Report\*\*\*



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="http://www.sgs.com/en/Terms-and-Conditions.aspx">http://www.sgs.com/en/Terms-and-Conditions.aspx</a> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <a href="http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx">http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgety or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention:To check the authenticity of testing / inspection report & certificate, please contact us at telephone:(86-755) 8307 1443, or email: CN.Doccheck@sas.com