Our Ref. **3172418-2.50QS**
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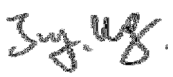
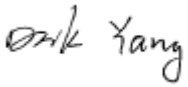
Test Report

Subject:	**Mechanical test for office chair**
Product name:	**Office chair**
Item Reference:	**HC-225**
Applicant:	**Zhejiang Anji Hengchang Chair Industry Co., Ltd.**
Applicant address:	**No.2 Area, Sunny Industrial Zone, Dipu Town, Anji County Zhejiang Province China**
Supplier:	**Zhejiang Anji Hengchang Chair Industry Co., Ltd.**
Product ID No:	**S150598711-2-2**
Test requirement:	**EN 1335-1:2000 Office furniture – Office work chair – Part 1: Dimensions – Determination of dimensions EN 1335-2:2009 Office furniture – Office work chair – Part 2: Safety requirements EN 1335-3:2009 Office furniture – Office work chair – Part 3: Test methods**
Conclusion:	**Pass**

Signed for and on behalf of
DEKRA Testing and Certification (Shanghai) LTD.

Test Engineer: 
Date: **Aug. 28th 2015**

Approver: 
Date: **Aug. 28th 2015**

Attention: Please note that every statement made in this report is only valid for the samples tested and reported herein. This report shall not be reproduced except in full, without the written approval of the testing laboratory. If you have any comment on the test results, please contact us in writing in 15 days after the issuing of report.

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Test Results

1. EN 1335-1:2000 Office furniture – Office work chair – Part 1: Dimensions – Determination of dimensions
Requirements: **Passed** (Office swivel chair for type C)

Seat:

- Seat height (a):	389 - 509 mm	Passed
- Seat depth (b):	465 mm	Passed
- Depth of seat surface (c):	460 mm	Passed
- Seat width (d):	480 mm	Passed
- Inclination of seat surface (e):	-2.6°	Passed

Back Rest:

- High of back supporting point "**S**" (f):	180 mm	Passed
- High of the back pad (g):	370 mm	Passed
- High of the upper edge of the back rest above the seat surface (h):	510 mm	Passed
- Back rest width (i):	430 mm	Passed
- Horizontal radius of back rest (k):	>400 mm	Passed

Arm Rest:

- Length of the useful area (n):	255 mm	Passed
- Width (o):	55 mm	Passed
- Height (p):	200 mm	Passed
- Distance to front edge of seat (q):	110 mm	Passed
- Clear width between arm rests (r):	500 mm	Passed

Underframe:

- Maximum offset (s):	350 mm	Passed
- Stability dimension (t):	215 mm	Passed

2. EN 1335-2:2009 Office furniture – Office work chair – Part 2: Safety requirements
EN 1335-3:2009 Office furniture – Office work chair – Part 3: Test methods

Clause	Test Description	Result/Remark	Rating
EN 1335-2 4.1	General safety requirements	No finding	**P**
EN 1335-3 7.2/7.3	Testing, static load and durability tests	Refer to below clause(s)	**/**
EN 1335-3 7.2.1	Seat front edge static load test	No damage Point F or J = 1600 N; 10 cycles x 15 s	**P**
EN 1335-3 7.2.2	Combined seat and back static load test	No damage Point A = 1600 N; Point B = max.560 N; 5 cycles (lock) + 5 cycles (unlock) x 15 s	**P**
EN 1335-3 7.3.1	Seat and back durability	No damage Point A = 1500 N; 120000 cycles x 2 s; Point B = 1200 N; Point C =320 N; Alternating for 80000 cycles; 40000 cycles (lock) + 40000 cycles (unlock) x 2 s; Point E = 320 N; Point J = 1200 N; Alternating for 20000 cycles x 2 s; Point H = 320 N; Point F = 1200 N; Alternating for 20000 cycles x 2 s;; Point D = 1100 N; Point G:= 1100 N Alternating for 80000 cycles x 2 s	**P**

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EN 1335-3 7.2.6	Footrest static load test	No damage F_v = 1300 N; 10 cycles x15 s	**N/A**
EN 1335-3 7.3.2	Arm rest fatigue test; center of the arm rest	No damage Vertical force: 400 N x 60000 cycles	**P**
EN 1335-3 7.2.3	Arm rest downward static load test; Arm rest overload static load test	No damage Center of the arm rest; F_v = 750 N; 5 cycles x15 s; Center of the arm rest; F_v = 900 N; 5 cycles x15 s (after the 2nd stability test)	**P**
EN 1335-3 7.1.1	Front edge overbalancing;	Not overturned F_v required = 270 N	**P**
EN 1335-3 7.1.2	Forward overbalancing	Not overturned F_H required = 20 N; F_v required = 600 N	**P**
EN 1335-3 7.1.3	Forward overbalancing for chairs with footrest	Not overturned F_H required = 20 N; F_v required = 600 N	**N/A**
EN 1335-3 7.1.4	Sideways overbalancing, all seating without arms	Not overturned F_H required = 20 N; F_v required = 600 N	**N/A**
EN 1335-3 7.1.5	Sideways overbalancing, all seating with arms	Not overturned F_H required = 20 N; F_{v1} required = 250 N; F_{v2} required = 350 N	**P**
EN 1335-3 7.1.6	Rearwards overturning for chair without backrest inclination	Not overturned F_v required = 600 N F_H required = 192 N;	**P**
EN 1335-3 7.1.7	Rearwards overturning for chair with backrest inclination	Not overturned 13 discs against backrest	**P**
EN 1335-2/3 4.4/7.4	Rolling resistance of the unloaded chair	Rolling resistance force is ≥ 12 N	**P**
EN 1335-2 5	Information for use	Information for use was comply with the requirement	**P**
EN 1335-3 7.2/7.3	Functional test acc. to EN 1335-3:2009	Refer to below clause(s)	**/**
EN 1335-3 7.2.4	Arm rest downward static load test;	No damage 75 mm from the front edges; F_v = 450 N; 5 cycles x15 s	**N/A**
EN 1335-3 7.2.5	Arm rest sideway static load test	No damage >75 mm from both ends; F_v = 450 N; 10 cycles x15 s	**N/A**
EN 1335-3 7.3.3	Swivel test (upper part fixed)	No damage M_1 = 60 kg (A); M_2 = 35 kg (C); swivel for 120000 cycles	**N/A**
EN 1335-3 7.3.4	Footrest durability	No damage 80 mm from the edge; F_v = 900 N; 50000 cycles x 2 s	**N/A**

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EN 1335-3 7.3.5	Castor and chair base durability	No damage M_1 = 110 kg (A); 180° for 36000 Z (back and forth)	**P**

Abbreviation:
P=Pass; **N/A=N**ot **A**pplicable

Sample Data:

Overall Dimension (cm):	68.5L x 66.0W x 89.5-101.5H
Base radius (cm)	32.0
Weight (kg):	11.5

Sample Photos



Photo No 1：Front view



Photo No 2：Side view



Photo No 3：Back view



Photo No 4：Bottom view

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Photo No 5：Marking on the gas lift	Photo No 6：Warning label on the gas lift
	
Photo No 7：Gas lift cone made in one piece	Photo No 8：Base radius was 320 mm

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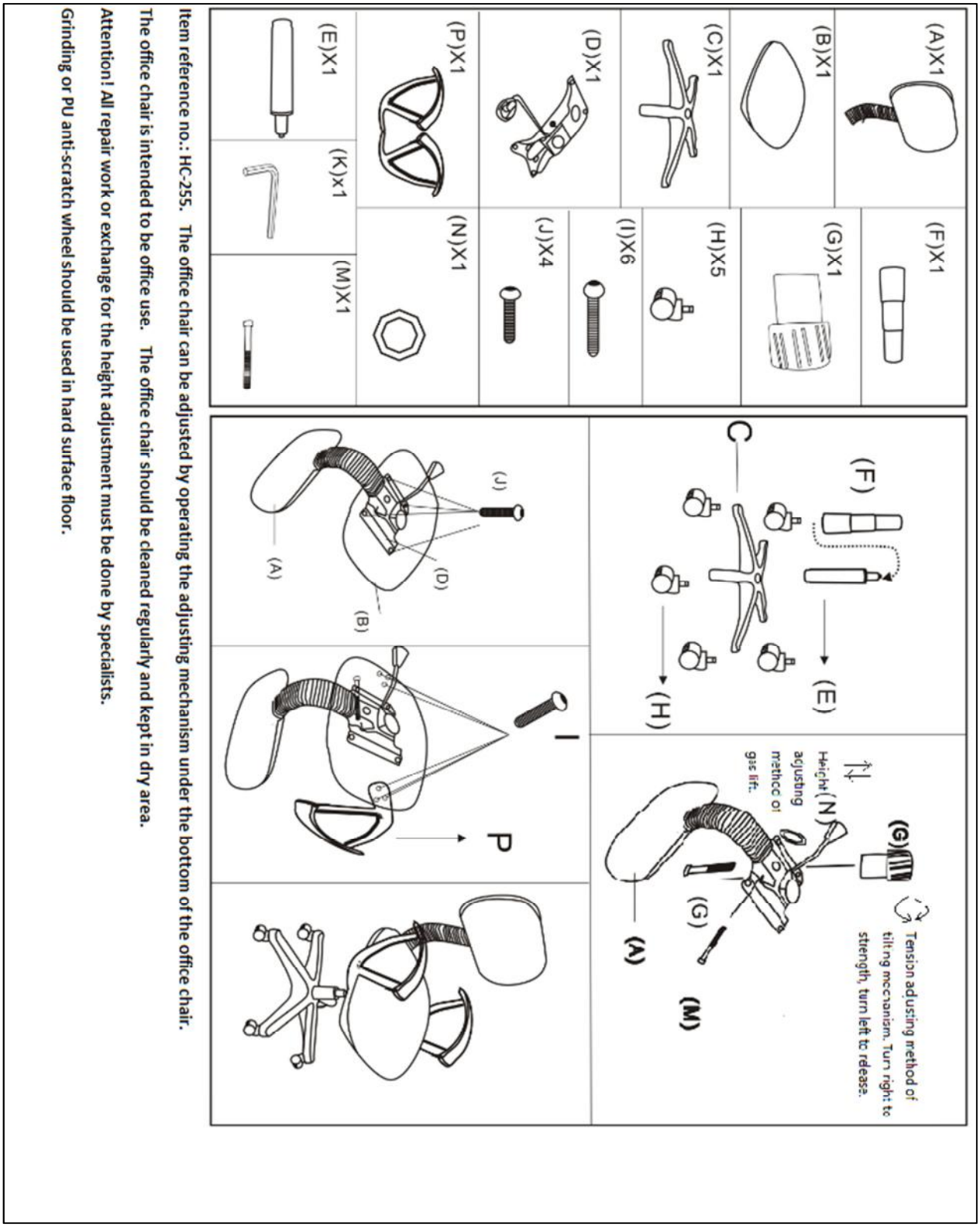
Instruction for use



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

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