Technical Report: **(6623)199-0626** JULY. 18, 2023
Date Received: JUNE. 15, 2023 Page 1 of 8
Mod. Date:

ANJI HERUI FURNITURE CO.,LTD
KANGSHAN INDUSTRIAL PARK ANJI COUNTY ZHEJIANG CHINA

Sample Description:	OFFICE CHAIR		
Manufacturer:	ANJI HERUI FURNITURE CO.,LTD	PO No.:	/
Buyer:	/	Style No:	W22-7
Country of Origin:	CHINA	Country of Destination:	/
Color:	BLACK	SKU No.:	/
Protocol No.:	/	Previous Report No.:	/

TEST INFORMATION & EXECUTIVE SUMMARY

Evaluation To: For compliance with: -
1. EN 1335-1: 2020+A1:2022, Office chair – office work chair – Part 1: dimensions – determination of dimensions
2. EN 1335-2: 2018, Office chair – office work chair – Part 2: safety requirements

Standards Employed: As specified in above standard(s) and incorporated with
1. EN 1022:2018, Domestic furniture – seating – determination of stability
2. EN 1728:2012 + AC:2013, Domestic furniture – seating –test methods for the determination of strength and durability

Conclusions:
1. The tested samples COMPLY with the dimension requirement of type C.
2. The tested samples COMPLY with the above standard: EN 1335-2: 2018.

REMARK:
The client specifies the test methods and requirements.

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SUMMARY OF EXAMINATION

Introduction:

An examination was requested to ascertain compliance with the requirement(s) as detailed on page one of this report. The following clauses were considered applicable and our findings were as follows:

1. EN 1335-1: 2020+A1: 2022

Item	Dimension Requirement				Result
	Type Ax	Type A	Type B	Type C	
Seat height and sitting height **a** [a b]	Min.: ≤400 mm Max.: ≥540 mm	Min.: ≤400 mm Max.: ≥520 mm	Min.: ≤420 mm Max.: ≥510 mm	Min. ≤430 mm Max. ≥480 mm	Min.: 412 mm Max.: 500 mm
Adjustment range	Min.160 mm	Min.130 mm	Min.100 mm	Min. 80 mm	88 mm
Seat depth **b**					
Non adjustable	NA	NA	425mm to 485mm	Min.:425 mm	461 mm
Adjustable	Min.: ≤380 mm Max.: ≥430mm	Min.: ≤425 mm Max.: ≥450 mm	Min.: ≤425 mm Max.: ≥445 mm	Can be adjusted to 425 mm	
Adjustment range	Min.: 70 mm	Min.: 70 mm	Min.: 50 mm	No requirement	
Depth of seat surface **c**	Min.:380 mm	Min.:380 mm	Min.:380 mm	Min.:380 mm	493 mm
Seat width **d**	Min.:400 mm	Min.:400 mm	Min.:400 mm	Min.:400 mm	510 mm
Inclination of seat surface **e** [h]					
Non adjustable	NA	NA	+2º to -5º ("+"direction) ("-"direction)	+2º to -7º ("+"direction) ("-"direction)	
Adjustable	Min.: 0º	Min.: 0º	Min.: -2º ("-"direction)	Min.: -2º ("-"direction)	-1.1º - -10.5º
Adjustment range	Min.: 5º	Min.: 5º	Min.: 5º	Min.: 5º	9.4º
Angle between seat and back **γ** [g]	Min. 90º	Min. 90º	Min. 90º	Min. 90º	98.4º
Height of lumbar support **f**					
Non adjustable	NA	NA	170mm to 300mm	170mm to 300mm	
Adjustable	Min.: ≤170 mm Max.: ≥300 mm	Min.: ≤170 mm Max.: ≥300 mm	Min.: ≤170 mm Max.: ≥300 mm	Min.: ≤170 mm Max.: ≥300 mm	Min.:180 mm Max.:220 mm
Adjustment range	Min.: 70 mm	Min.: 70 mm	Min.: 50 mm	No requirement	Range:40 mm
Backrest height **h**	Min.360 mm	Min.360 mm	Min.360 mm	Min.360 mm	560 mm
Backrest width **j**	Min.360 mm	Min.360 mm	Min.360 mm	Min.360 mm	436 mm
Radius of the back rest **k**	Min.400 mm	Min.400 mm	Min.400 mm	Min.400 mm	470 mm
Back rest	Min. 15º	Min. 15º	Min. 15º	No requirement	25.0º

1. EN 1335-1: 2020+A1: 2022					
inclination range **l**					
Armrest length **n**	Min.150 mm	Min.150 mm	Min.150 mm	Min.150 mm	243 mm
Armrest width **o**	Min.50 mm	Min.50 mm	Min.40 mm	Min.40 mm	80 mm
Height of arm rest **p** Non adjustable Adjustable Adjustment range	 NA Min.: ≤200 mm Max.: ≥290 mm Min.: 100 mm	 NA Min.: ≤200 mm Max.: ≥290 mm Min.: 100 mm	 225mm to 275mm Min.: ≤225 mm Max.: ≥250 mm Min.: 50 mm	 200mm to 250mm Min.: ≤200 mm Max.: ≥250 mm No requirement	 Min.: 177 mm Max.: 250 mm
Maximum distance from the backrest to the front of the armrests **q** [d]	Max. 200 mm	Max. 300 mm	Max. 350 mm	Max. 400 mm	366 mm
Hip breadth clearance when armrests are in widest position **r** [e]	Min. 480 mm	Min. 480 mm	Min. 460 mm	Min. 460 mm	529 mm
Clear distance between armrest **z** [e f] Non adjustable Adjustable	 NA Min.: ≤410 mm Max.: ≥510 mm	 NA Min.: ≤410 mm Max.: ≥510 mm	 460mm to 510mm Min.: ≤460 mm Max.: ≥510 mm	 Min. 460mm Min.: ≤460 mm Max.: ≥510 mm	 529 mm
Offset of the underframe **s**	Max. 415 mm	Max. 415 mm	Max. 415 mm	Max. 415 mm	383 mm

Note:

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

c. Sitting height is only applicable for chairs with seat pad angles less than 0° (rearwards slope).

d. The distance q shall be measured when the minimum usable armrest area template, 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 (see 3.9) of the seat.

e. The gap shall be retained across the height adjustment range of the armrests for functional fit.

f. 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.

g. As long as it is possible to achieve an angle of minimum 90° between seat pad and backrest, the requirement is fulfilled.

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

2. EN 1335-2: 2018			
Clause	Description	Result	*Comments
4	Safety requirements	-	-
4.1	General	PASS	-
4.2	Shear and squeeze points	-	-
4.2.1	Shear and squeeze points under the influence of powered mechanisms	PASS	-
4.2.2	Shear and squeeze points during use	PASS	-
BS EN 1335-2:2018 5.1.6.1 BS EN 1728:2012 7.5	Armrest downward static load test – central	PASS	-
4.4	Stability during use (before)	PASS	-
BS EN 1335-2:2018 4.4.1 BS EN 1022:2018 7.3.3	Corner stability test	PASS	-
BS EN 1335-2:2018 4.4.2 BS EN 1022:2018 7.3.1	Forwards overturning	PASS	-
BS EN 1335-2:2018 4.4.3 BS EN 1022:2018 7.3.2	Forwards overturning for chair with footrest	NA	See note I
BS EN 1335-2:2018 4.4.4 BS EN 1022:2018 7.3.4	Sideways overbalancing, for chair without arm rests	NA	See note I
BS EN 1335-2:2018 4.4.5 BS EN 1022:2018 7.3.5.1 & 7.3.5.2	Sideways overbalancing, for chair, seating with arm rests	PASS	-
BS EN 1335-2:2018 4.4.6 BS EN 1022:2018 7.3.6	Rearwards overbalancing for chairs without back test inclination and for chairs with adjustable backrest inclination that can be locked	PASS	-
BS EN 1335-2:2018 4.4.7 BS EN 1022:2018 7.4	Rearwards overturning for chairs with back rest inclination	PASS	-
BS EN 1335-2:2018 5.1.6.2 BS EN 1728:2012 7.5	Armrest downward static load test – central	PASS	-
BS EN 1335-2:2018 5.3 BS EN 1728:2012 6.30	Rolling resistance of the unloaded chair	PASS	-
5	Strength and durability	PASS	-
BS EN 1335-2:2018 5.1.1 BS EN 1728:2012 7.3	Combined seat and back static load test	PASS	-
BS EN 1335-2:2018 5.1.2 BS EN 1728:2012 7.4	Seat front edge static test	PASS	-
BS EN 1335-2:2018 5.1.3 BS EN 1728:2012 7.8	Foot rest static load	NA	See note I
BS EN 1335-2:2018 5.1.4 BS EN 1728:2012 7.9	Seat and back durability	PASS	-
STEP 1	Loading point A	PASS	-

STEP 2	Loading point C-B	PASS	-
STEP 3	Loading point J-E	PASS	-
STEP 4	Loading point F-H	PASS	-
STEP 5	Loading point D-G	PASS	-
BS EN 1335-2:2018 5.1.5 BS EN 1728:2012 7.10	Arm rest durability	PASS	-
BS EN 1335-2:2018 5.3 BS EN 1728:2012 6.30	Rolling resistance of the unloaded chair	PASS	-
BS EN 1335-2:2018 5.1.6.1 BS EN 1728:2012 7.5	Armrest downward static load test – central	PASS	-
4.4	Stability during use (after)	PASS	-
BS EN 1335-2:2018 4.4.1 BS EN 1022:2018 7.3.3	Corner stability test	PASS	-
BS EN 1335-2:2018 4.4.2 BS EN 1022:2018 7.3.1	Forwards overturning	PASS	-
BS EN 1335-2:2018 4.4.3 BS EN 1022:2018 7.3.2	Forwards overturning for chair with footrest	NA	See note I
BS EN 1335-2:2018 4.4.4 BS EN 1022:2018 7.3.4	Sideways overbalancing, for chair without arm rests	NA	See note I
BS EN 1335-2:2018 4.4.5 BS EN 1022:2018 7.3.5.1 & 7.3.5.2	Sideways overbalancing, for chair, seating with arm rests	PASS	-
BS EN 1335-2:2018 4.4.6 BS EN 1022:2018 7.3.6	Rearwards overbalancing for chairs without back test inclination and for chairs with adjustable backrest inclination that can be locked	PASS	-
BS EN 1335-2:2018 4.4.7 BS EN 1022:2018 7.4	Rearwards overturning for chairs with back rest inclination	PASS	-
BS EN 1335-2:2018 5.1.6.2 BS EN 1728:2012 7.5	Armrest downward static load test – central	PASS	-
BS EN 1335-2:2018 5.3 BS EN 1728:2012 6.30	Rolling resistance of the unloaded chair	PASS	-
BS EN 1335-2:2018 6	Information for use	NC	See note II

ANNEX I: SUBMISSION DESCRIPTION

Sample Description: OFFICE CHAIR

Overall dimensions: (69.8-86.7) cm x 72.2 cmx (100.2-119.5) cm (Length x Width x Height)

Weight: 14.18 kg

ANNEX II: ADDITIONAL COMMENTS

I NA = Not applicable.

II NC = Not conducted as per client request

EXHIBIT

END