



Test Report



中国认可
国际互认
检测
TESTING
CNAS L3428

Date :2024-05-14

Page 1 of 8

No. : DT24050132

Applicant (08317367) : DONG GUAN LONGTAIFENG FURNITURE CO.,LTD
NO.1 Chili street, Taigongling Village,Dalingshan
Town,Dongguan City,Guangdong Province

Description of Sample(s) : One(1) style of submitted sample(s) said to be :
LTC6001储物凳
Style No.: 831-795

Date sample(s) Received : 2024-05-09

Date Tested : 2024-05-09 to 2024-05-14

Investigation(s) Requested : BS EN 12520:2015

Conclusion(s) : The submitted sample(s) **complied** with the requirements
according to BS EN 12520:2015

Zhang Ke Yuan, Kent
Authorized Signatory



STC (Guangdong) Company Limited

No.68, Fumin South Road, Dalang, Dongguan, Guangdong, China Zip Code: 523770

Tel : +86 769 8111 9888 Fax : +86 769 8111 6222 Email : gdstc@stc.group Website : www.gdstc.group

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Test Report

Date :2024-05-14

Page 2 of 8

No. : DT24050132

TEST RESULT(S):

Furniture-Strength, durability and safety-Requirements for domestic seating

Test Method: BS EN 12520:2015

Test items	Requirements	Comments
BS EN 12520:2015 Clause 5.1 –General requirements		
General requirements Clause 5.1	All parts of the seating with which the user comes into contact, during intended use, shall be designed to ensure that physical injury and damage are avoided. These requirements are met when: a) edges of the seat, back rest and arm rests, which are in contact with the user when sitting are rounded or chamfered. All other edges accessible during use shall be free from burrs and/or sharp edges; b) ends of hollow components are closed or capped. Movable and adjustable parts shall be designed so that injuries and inadvertent operation are avoided. It shall not be possible for any load bearing part of the seating to come loose unintentionally. All parts which are lubricated to assist sliding shall be designed to protect users from lubricant stains when in normal use.	Pass
BS EN 12520:2015 Clause 5.2 –Shear and squeeze points		
Shear and squeeze points Clause 5.2	1) Shear and squeeze points when setting up and folding Unless 5.2.2 or 5.2.3 are applicable, shear and squeeze points, as defined in 3.3, that are created only during setting up and folding, including tipping seat, are acceptable, because the user can be assumed to be in control of his/her movements and to be able to cease applying the force immediately upon experiencing pain. The edges of parts moving relative to each other and creating shear and squeeze points shall be as specified in 5.1. 2) Shear and squeeze points under influence of powered mechanisms With the exception of tipping seats there shall be no shear and squeeze points created by parts of the seating under powered mechanisms, e.g. springs and gas lifts. 3) Shear and squeeze points during use There shall be no shear and squeeze points created by loads applied during normal use. The loads applied during normal use can be found in Table 1. Shear and squeeze points are not acceptable if a hazard is created by the weight of the user during normal movements and actions, e.g. attempting to move the seating by lifting the seat or by adjusting the backrest.	Pass

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Date :2024-05-14

Page 3 of 8

No. : DT24050132

TEST RESULT(S):

Test items	Requirements	Comments
BS EN 12520:2015 Clause 5.3 -Stability		
Stability Clause 5.3	The seating shall fulfil the relevant requirements of EN 1022(See the Table 2) .	Pass
BS EN 12520:2015 Clause 5.4- Strength and durability		
Strength and durability Clause 5.4	1) General Seat shall be tested for strength and durability according to and in the order given in Table 1 and in accordance with the test conditions contained in EN 1728:2012 2) Strength and durability requirements The strength and durability requirements are fulfilled when during and after testing in accordance with Table 1: a) there are no fractures of any member, joint or component; b) there are no loosening of joints intended to be rigid; c) seating fulfils its functions after removal of the test loads; d) seating fulfils the stability requirements.	Pass
BS EN 12520:2015 Clause 6- Information for use		
Information for use Clause 6	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) assembly instructions, where applicable; b) instructions for the care and maintenance of the seating; c) if the seating is fitted with seat height adjustments with energy accumulators, an additional note is required pointing out that only trained personnel may replace or repair seat height adjustment components with energy accumulators.	Pass

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Date :2024-05-14

Page 4 of 8

No. : DT24050132

TEST RESULT(S):

Table1 Strength and durability

Test items	Test descriptions	Loading		Comments
EN 1728 :2012, 6.4	Seat and back static load test	Seat: force, N Back: force, N Minimum back force,N Load applied to seats not being tested, N 10 Times	1300 450 410 750	Pass
EN 1728: 2012, 6.5	Seat front edge static load test	Force, N Load applied to seats not being tested, N 10times	1300 750	Pass
EN 1728: 2012, 6.8	Foot rest static load test ^a	Force, N Minimum seat force, N 10times	1000 750	N.A.
EN 1728: 2012, 6.10	Arm rest sideways static load test	Force, N 10times	300	N.A.
EN 1728: 2012, 6.11	Arm rest downwards static load test	Force, N 10times	700	N.A.
EN 1728: 2012, 6.17	Combined seat and back durability test ^e	Cycles Seat:1000N Back:300N	25000	Pass

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Date :2024-05-14

Page 5 of 8

No. : DT24050132

TEST RESULT(S):

Test items	Test descriptions	Loading		Comments
EN 1728: 2012, 6.18	Seat front edge durability test ^d	Cycles Force:800N	20000	Pass
EN 1728: 2012, 6.20	Arm rest durability test	Cycles Force:400N	10000	N.A.
EN 1728: 2012, 6.15	Leg forward static load test	Force (max.), Seat load ,N: 10times	400 1000	Pass
EN 1728: 2012, 6.16	Leg sideways static load test	Force (max.), Seat load ,N: 10times	300 1000	Pass
EN 1728: 2012, 6.24	Seat impact test	Drop height, mm,10times	180	Pass
EN 1728: 2012, 6.28	Backwards fall test ^b	Number of impacts	5	N.A.
EN 1728: 2012, 6.25	Back impact test ^c	Height of fall, mm/°10 Times	120/28	Pass

^a This test is only applicable to seating with a seat height greater than 600 mm.

^b This test is only for single seating units where the back will be the first part of the structure to strike the floor and the force used to overturn the chair rearwards is less than 30 N.

^c This test is for all seating not tested in accordance with Test 12.

^d In derogation of EN 1728: 2012 the loading points shall be 80 mm from the relevant edges of the seat.

^e The minimum back force is the force that just prevents rearward overturning.

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Date :2024-05-14

Page 6 of 8

No. : DT24050132

TEST RESULT(S):

Table 2 Furniture - Seating - Determination of stability(BS EN 1022:2023)

1. All seating other than loungers

Clause	Test		Parameter	Loads All other seating	Comment
7.3.1	Forwards overturning		F ₁ F ₂	600 N ^a 20 N	Pass
7.3.2	Forwards overturning for seating with foot rest		F ₁ F ₂	600 N ^a 20 N	N.A.
7.3.3	Corner stability test		F ₁	300 N	Pass
7.3.4	Sideways overturning, all seating without arms		F ₁ F ₂	600 N ^a 20 N	N.A.
7.3.5	Sideways overturning,all other seating	7.3.5.2 Seating with arm rests	F ₁	250	N.A.
			F ₂	350	
			F ₃	20N	
		7.3.5.3 Seating with raised edges	F ₁	250	N.A.
F ₂	350				
		F ₃	20N		
		F _R [*] = F ₁ +F ₂ F ₃	600N 20N	N.A.	
7.3.6	Rearwards overturning, all seating with back rests		F ₁ F ₂ (H ^b ≥ 720mm) F ₂ (H ^b < 720mm ≥ 300mm) F ₂ (H ^b < 300mm)	600 N ^a 80 N 0,2857 (1 000-H ^b) 200N	N.A.
7.4.2	Tilting seating		Number of discs	11	N.A.
7.4.3	Reclining seating with leg rest		Number of discs -back Number of discs -leg rest	8	N.A.
				3	
7.4.4	Reclining seating without leg rest		Number of discs -back Number of balancing discs	8	N.A.
				3	
7.4.5	Rearwards stability for rocking chairs		Number of discs	8	N.A.
a The weight of the loading pad and any associated equipment shall be considered when applying the test load.					
b Height of the loaded seat above the floor in millimetres (see 6.4)					

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Date :2024-05-14

Page 7 of 8

No. : DT24050132

TEST RESULT(S):

NOTE: * : The forces F_1 and F_2 may be replaced by a resultant force F_R , applied at the d_R point on the transverse plane, that provided the same overturning moment of the combined forces, F_1 and F_2 , when measured from the intersection of the transverse plane and a line joining the stopped feet.

2. Loungers

Clause	Test	Parameter	Loads	Comment
8.3.1	Forwards overturning	$F_{B.3}$ $F_{B.4}$	600 N ^a 20 N	N.A.
8.3.2	Sideways overturning	$F_{B.1}$ $F_{B.2}$	600 N ^a 250 N	N.A.
8.3.3	Rearwards stability – upright position	F_1 $F_2 (H^b \geq 720 \text{ mm})$ $F_2 (H^b < 720 \text{ mm})$	600 N ^a 80N 0,2857 (1000 -H ^b)	N.A.
8.3.4	Rearwards stability – reclined position	Number of discs –back Number of discs –leg res	8 3	N.A.
a The weight of the loading pad and any associated equipment shall be considered when applying the test load b Height of the seat, measured from the floor to point A, seat loaded, in mm (see 6.4).				

Remark: N.A.: Not applicable
N.R.: Not requested
N.T.: Not tested according to customer request

Date :2024-05-14

Page 8 of 8

No. : DT24050132

Appendix for Photos of the Submitted Sample(s)



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

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