

Date received: 20-01-10
Date of issue: 11-02-10
Report consists of 6 attached sheets.
Defects before testing: None
Sample name: Chaise lounge REST

KRISTALIA S.R.L.
VIA CALDERANO 5
33070 BRUGNERA (PN)
ITALY

TEST REPORT N° 112704

List performed tests

1. Outdoor furniture - General safety requirements EN 581-1:2006
2. Loungers- seat and back static load test EN 581-2:2009, clause B.2.1.1
3. Loungers. Seat fatigue test EN 581-2:2009, clause B.2.1.2
4. Loungers. Seat and back fatigue test EN 581-2:2009, clause B.2.1.2.2
5. Loungers. Seat impact test EN 581-2:2009, clause B.2.1.6
6. Loungers. Stability EN 581-2:2009, clause B.3



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*Managing Director
Dr. Andrea Giavon*

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TEST REPORT

112704 / 1

Date received: 20-01-10

Date of test: 28-01-10

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Outdoor furniture - General safety requirements EN 581-1:2006

5.1 Edges and corners of parts which are directly contactable:

Requirement	Observed	Remarks
Edges and corners rounded and chamfered	Yes	None

5.1 Edges and corners of accessible parts:

Requirement	Observed	Remarks
Absence of sharp edges and burrs	Yes	None

5.2 Tubulars, holes and gaps accessible during use:

Requirement	Observed	Remarks
Capped holes and gaps if dimensions are ≥ 7 and ≤ 12 mm with depth ≥ 10 mm tested with probe as specif. at point 4, applying 30 N force	//	//
Bottom of tubulars capped or plugged	Yes	None

5.3 Shear and squeeze points:

Requirement	Observed	Remarks
Absence of shear and squeeze points, created by powered mechanisms	//	//
Absence of shear and squeeze points, created by loads during normal use	Yes	None

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TEST REPORT

112704 / 2

Date received: 20-01-10
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Sample name: Chaise lounge REST

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VIA CALDERANO 5
33070 BRUGNERA (PN)
ITALY

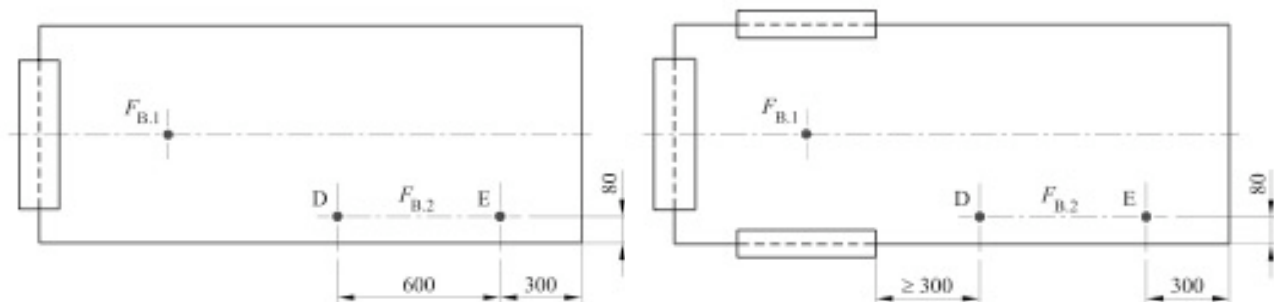
Loungers- seat and back static load test EN 581-2:2009, clause B.2.1.1

Seat and back static load test clause B.2.1.1 of EN 581-2:2009

Contract use

Points of application:

FB1, D, E



Test results:

Load on FB1 N	Back force N	Load on FB2 N	Number of cycles	Time of application	Remarks
1.700	1.300	900	10	10 sec	No defects
1.700	1.300	900	1	30 min	No defects

Back rest angle measured: 58°

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TEST REPORT

112704 / 3

Date received: 20-01-10
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Date of issue: 11-02-10



Sample name: Chaise lounge REST

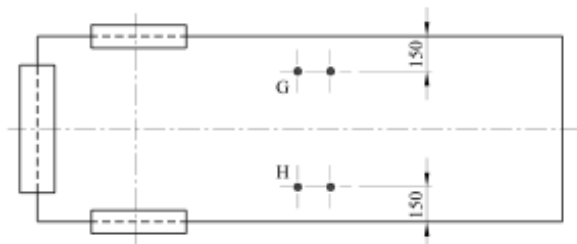
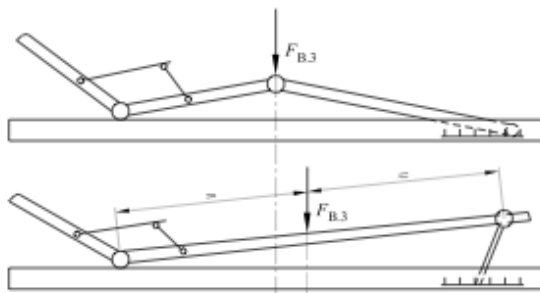
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ITALY

Loungers. Seat fatigue test EN 581-2:2009, clause B.2.1.2

Seat and back fatigue test EN 581-2:2009, clause B.2.1.2

Seat fatigue test EN 581-2:2009, clause B.2.1.2.1

Contract use



Test results:

Vertical force N	Number of cycles per point	Remarks
1.000	25.000	No defects

Total cycles: 50.000

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TEST REPORT**112704 / 4**

Date received: 20-01-10

Date of test: 01-02-10

Date of issue: 11-02-10

Sample name: Chaise lounge REST

**KRISTALIA S.R.L.**
VIA CALDERANO 5
33070 BRUGNERA (PN)
ITALY**Loungers. Seat and back fatigue test EN 581-2:2009, clause B.2.1.2.2**

Seat and back fatigue test EN 581-2:2009, clause B.2.1.2.2

Test metod: EN 1728:2000, clause 6.7

Contract use

Bending moment applied to the back: 100 Nm

Test results:

Seat force N	Back rest force N	Number of cycles	Remarks
850	430	50.000	No defects

Back rest angle measured: 58°

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TEST REPORT

112704 / 5

Date received: 20-01-10
Date of test: 08-02-10
Date of issue: 11-02-10



Sample name: Chaise lounge REST

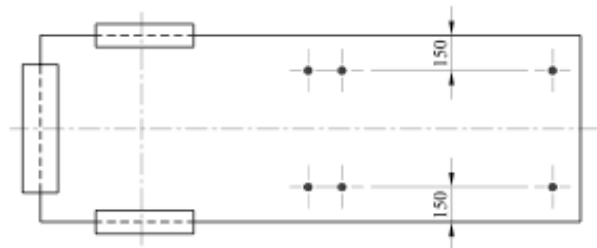
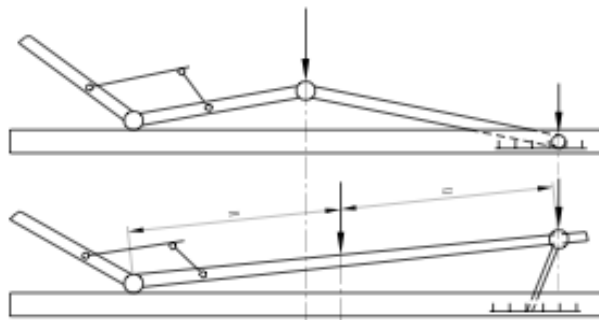
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ITALY

Loungers. Seat impact tes EN 581-2:2009, clause B.2.1.6

Seat impact test EN 581-2:2009, clause B.2.1.6

Test method: EN 1728:2000, clause 6.15

Contract use



Test results:

Mass of impact kg	Height of drop mm	Number of impacts per point	Remarks
25	180	10	No defects

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TEST REPORT

112704 / 6

Date received: 20-01-10

Date of test: 10-02-10

Date of issue: 11-02-10

Sample name: Chaise lounge REST



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Loungers. Stability EN 581-2:2009, clause B.3

Stability EN 581:2009, clause B.3

Sideways stability, clause B.3.1.1

Loungers with arm rests:

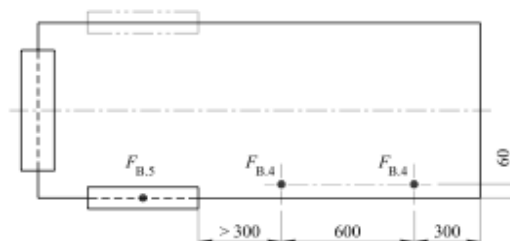
Force in Fb4: 600 N

Force in Fb5: 250 N

Time of application: 5 sec

Remarks:

//



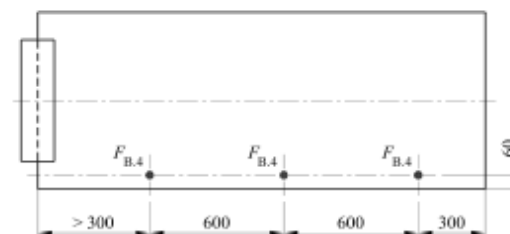
Loungers without arm rests:

Force in Fb4: 600 N

Time of application: 5 sec

Remarks:

The lounge does not overbalance



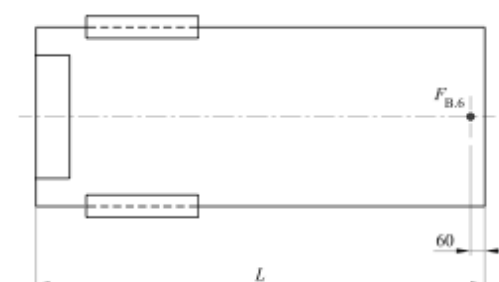
Forward stability, clause B.3.1.2

Force in Fb6: 600 N

Time of application: 30 sec

Remarks:

The lounge does not overbalance



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