

Date received: 06-07-12

Date of issue: 18-07-12

Report consists of 10 test reports.

Defects before testing: None

Sample name: BORA

NARDI S.P.A.
VIA ARSO 4
36072 CHIAMPO (VI)
ITALIA

TEST REPORT N° 144338

Overall dimensions: 580 x 560 x 860 (h) mm

List performed tests:

1. Outdoor furniture - General safety requirements EN 581-1:2006
2. Instruction for use EN 581-2:2009, clause 7
3. Seat and back static load test EN 1728:2000
4. Seat and back fatigue test EN 1728:2000
5. Arm downwards static load test EN1728:2000
6. Arm fatigue test EN 1728:2000
7. Leg forward static load test EN 1728:2000
8. Leg sideways static load test EN 1728:2000
9. Seat impact test EN 1728:2000
10. Stability - EN 1022:2005



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Managing Director
Dr. Andrea Giavon

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TEST REPORT N° 144338

Date of issue: 18-07-12
Sample weight: Not determined
Sample name: BORA



Side view



Rear view



Bottom view

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TEST REPORT

144338 / 1

Date received: 06-07-12

Date of test: 11-07-12

Date of issue: 18-07-12

Sample name: BORA



NARDI S.P.A.
VIA ARSO 4
36072 CHIAMPO (VI)
ITALIA

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	Yes	None
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	Mechanism not present	None
Absence of shear and squeeze points, created by loads during normal use	Yes	None

Conformity to clause 5 of standard EN 581-1:2006:

YES

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TEST REPORT

144338 / 2

Date received: 06-07-12

Date of test: 11-07-12

Date of issue: 18-07-12

Sample name: BORA



NARDI S.P.A.
VIA ARSO 4
36072 CHIAMPO (VI)
ITALIA

Instruction for use EN 581-2:2009, clause 7

Instructions for use EN 581-2:2009, clause 7

General, clause 7.1

Statement checked	Remarks
Shall be provided in the language of the country where the chairs are sold.	Present
Shall be headed "IMPORTANT, RETAIN FOR FUTURE REFERENCE: READ CAREFULLY" in letters no less than 5 mm high.	Present

This instructions shall include at least the following:

Statement checked	Remarks
a) Name and address of the producer (manufacturer or supplier).	Present
b) Information regarding maintenance.	Present
c) Conditions for use of the product (camping, domestic or contract)	Present

Marking for mobile loungers, clause 7.2

Statement checked	Remarks
All mobile loungers not intended to be lifted and moved under load shall be marked with a pictogram.	//

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Managing Director
Dr. Andrea Glavón

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TEST REPORT

144338 / 3

Date received: 06-07-12

Date of test: 11-07-12

Date of issue: 18-07-12

Sample name: BORA



NARDI S.P.A.
VIA ARSO 4
36072 CHIAMPO (VI)
ITALIA

Seat and back static load test EN 1728:2000

Seat and back static load test, clause 6.2.1

Test results:

Seat load N	Back force N	Number of cycles	Remarks
2.000	560	10 x 10 s	No defects
2.000	560	1 x 30 min	No defects

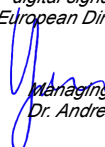
Seat front edge static load, clause 6.2.2

Seat load N	Number of cycles	Remarks
1.300	10 x 10 s	No defects
1.300	1 x 30 min	No defects

Note:

The test has been carried out according to table 1 of EN 581-2:2009 "Outdoor furniture", contract level.

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TEST REPORT

144338 / 4

Date received: 06-07-12

Date of test: 12-07-12

Date of issue: 18-07-12

Sample name: BORA



NARDI S.P.A.
VIA ARSO 4
36072 CHIAMPO (VI)
ITALIA

Seat and back fatigue test EN 1728:2000

Seat and back fatigue test, clause 6.7

Test results:

Seat force N	Back force N	Number of cycles	Remarks
1.000	330	50.000	No defects

Note:

The test has been carried out according to table 1 of EN 581-2:2009 "Outdoor furniture", contract level.

Bending moment to the back: 100 Nm

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TEST REPORT

144338 / 5

Date received: 06-07-12

Date of test: 16-07-12

Date of issue: 18-07-12

Sample name: BORA



NARDI S.P.A.
VIA ARSO 4
36072 CHIAMPO (VI)
ITALIA

Arm downwards static load test EN1728:2000

Arm downwards static load test, clause 6.6

Test results:

Vertical force N	Number of applications	Remarks
900	10	No defects

Note:

The test has been carried out according to table 1 of EN 581-2:2009 "Outdoor furniture", contract level.

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TEST REPORT

144338 / 6

Date received: 06-07-12

Date of test: 16-07-12

Date of issue: 18-07-12

Sample name: BORA



NARDI S.P.A.
VIA ARSO 4
36072 CHIAMPO (VI)
ITALIA

Arm fatigue test EN 1728:2000

Arm fatigue test, clause 6.10

Test results:

Load on arm rest N	Number of cycles	Remarks
400	30.000	No defects

Note:

The test has been carried out according to table 1 of EN 581-2:2009 "Outdoor furniture", contract level.

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Mapping Director
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TEST REPORT

144338 / 7

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Sample name: BORA



NARDI S.P.A.
VIA ARSO 4
36072 CHIAMPO (VI)
ITALIA

Leg forward static load test EN 1728:2000

Leg forward static load test, clause 6.12

Test results:

Forward horizontal force N	Balancing seat load kg	Number of cycles	Remarks
400	100	10	No defects

Note:

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Sample name: BORA



NARDI S.P.A.
VIA ARSO 4
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ITALIA

Leg sideways static load test EN 1728:2000

Leg sideways static load test, clause 6.13

Test results:

Sideways horizontal force N	Balancing seat load kg	Number of cycles	Remarks
300	100	10	No defects

Note:

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TEST REPORT

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Sample name: BORA



NARDI S.P.A.
VIA ARSO 4
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ITALIA

Seat impact test EN 1728:2000

Seat impact test, clause 6.15

Test results:

Mass of impactor kg	Height of drop mm	Number of drops	Remarks
25	180	10	No defects

Note:

The test has been carried out according to table 1 of EN 581-2:2009 "Outdoor furniture", contract level.

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TEST REPORT

144338 / 10

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Sample name: BORA



NARDI S.P.A.
VIA ARSO 4
36072 CHIAMPO (VI)
ITALIA

Stability - EN 1022:2005

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 166 N

Forwards overturning

Horizontal force : 20 N does not overturn

Rearwards overturning

Fixed back chair

Horizontal force : 166 N does not overturn

Tilting chair in the rearmost position

Loading discs on the seat : //

Sideways overturning for chairs with arms

Horizontal force : 20 N does not overturn

Sideways overturning for chairs without arms

Horizontal force : //

Forwards overturning for chairs with footrest

Horizontal force : //

Test passed

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