

Date received: 26/04/16

Date of issue: 29/06/16

Report consists of 15 test reports.

Defects before testing: None

Sample name: PIAZZA chair

CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
31037 RAMON DI LORIA (TV)  
ITALIA

## SAMPLE N° 213400

Overall dimensions: 550 x 500 x 800 (h) mm

### List performed tests:

1. Safety requirements EN 16139:2013+AC:2013
2. Information for use EN 16139:2013+AC:2013
3. Seat and back static load test EN 1728:2012+AC:2013
4. Vertical load on back rest EN 1728:2012+AC:2013
5. Arm sideways static load test EN 1728:2012+AC:2013
6. Arm downwards static load test EN 1728:2012+AC:2013
7. Seat and back fatigue test EN 1728:2012+AC:2013
8. Seat front edge durability test EN 1728:2012+AC:2013
9. Arm fatigue test EN 1728:2012+AC:2013
10. Leg forward static load test EN 1728:2012+AC:2013
11. Leg sideways static load test EN 1728:2012+AC:2013
12. Seat impact test EN 1728:2012+AC:2013
13. Back impact test EN 1728:2012+AC:2013
14. Arm rest impact test EN 1728:2012+AC:2013
15. Stability - EN 1022:2005



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Managing Director  
Dr. Andrea Giavon

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## SAMPLE N° 213400

Date of issue: 29/06/16  
Sample weight: Not determined  
Sample name: PIAZZA chair



Side view



Rear view



Bottom view

## TEST REPORT

**213400 / 1**

Date received: 26/04/16

Date of test: 06/05/16

Date of issue: 29/06/16

Sample name: PIAZZA chair



CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
31037 RAMON DI LORIA (TV)  
ITALIA

## Safety requirements EN 16139:2013+AC:2013

### Safety requirements clause 4

| Statement checked                                                                                                                                                                                                                                  | Remarks                                  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------|
| Corner and edges in contact with the users:<br>• Absence of sharp edges and corners                                                                                                                                                                | Yes                                      |
| Edges on the handles:<br>• Absence of sharp edges and corners in the direction of the force                                                                                                                                                        | Handles not present                      |
| Other edges:<br>• Absence of sharp edges and corners                                                                                                                                                                                               | Yes                                      |
| Accessible hollow components:<br>• The ends of hollow components are closed or capped                                                                                                                                                              | Yes                                      |
| Movable and adjustable parts:<br>• It shall not be possible for any movable and adjustable part of the chair to come operate unintentionally.                                                                                                      | Movable and adjustable parts not present |
| Connections between parts of the structure:<br>• It shall not be possible for any load bearing part of the seating to come loose unintentionally                                                                                                   | No                                       |
| Parts which are lubricated:<br>• All the parts which are lubricated shall be designed to protect users                                                                                                                                             | Lubricated parts not present             |
| Shear and squeeze points between movable parts $\geq 7 \text{ mm} \leq 18 \text{ mm}$ :<br>• Shear and squeeze points under influence of powered mechanism<br>• Shear and squeeze points during normal use and during normal movements and actions | Mechanism not present<br><br>No          |
| Conformity to clauses 4.1 and 4.2 of standard EN 16139:2013:                                                                                                                                                                                       | <b>YES</b>                               |

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*Dr. Andrea Giavon*

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## TEST REPORT

**213400 / 2**

Date received: 26/04/16

Date of test: 29/06/16

Date of issue: 29/06/16

Sample name: PIAZZA chair



CERANTOLA S.P.A.  
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31037 RAMON DI LORIA (TV)  
ITALIA

## Information for use EN 16139:2013+AC:2013

### Information for use clause 7

| Statement checked                                                                                                                          | Remarks                            |
|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|
| Information for use in the language of the country in which the chair will be delivered to the end user                                    | Italian language                   |
| Information regarding the intended use (Annex B of EN 16139:2013)                                                                          | Present                            |
| Instruction for operating the adjusting mechanisms, where applicable                                                                       | Not applicable                     |
| Assembly instructions, where applicable                                                                                                    | Not applicable                     |
| Instruction for the care and the maintenance of the chair                                                                                  | Present                            |
| Information on the choice of castors in relation to the floor surface if the chair is fitted                                               | Castors not present                |
| Advice that only trained personnel may replace or repair seat height adjustment components with energy accumulators if the chair is fitted | Seat height adjustment not present |

Conformity to clause 7 of standard EN 16139:2013:

**YES**

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## TEST REPORT

# 213400 / 3

Date received: 26/04/16

Date of test: 06/05/16

Date of issue: 29/06/16

Sample name: PIAZZA chair



CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
31037 RAMON DI LORIA (TV)  
ITALIA

## Seat and back static load test EN 1728:2012+AC:2013

### Seat and back static load test, clause 6.4

#### Test results:

| Seat load<br>N | Back force<br>N | Number<br>of cycles | Remarks    |
|----------------|-----------------|---------------------|------------|
| 1.600          | 520             | 10                  | No defects |

#### Note:

According to EN 1728:2012, back force has been reduced from 560 N to 520 N to avoid tipping.

### Seat front edge static load, clause 6.5

| Seat load<br>N | Number<br>of cycles | Remarks    |
|----------------|---------------------|------------|
| 1.300          | 10                  | No defects |

#### Note:

The test has been carried out according to table 1 of EN 16139:2013, level L1 - general.

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## TEST REPORT

**213400 / 4**

Date received: 26/04/16

Date of test: 11/05/16

Date of issue: 29/06/16

Sample name: PIAZZA chair



CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
31037 RAMON DI LORIA (TV)  
ITALIA

### Vertical load on back rest EN 1728:2012+AC:2013

Vertical static load on back rest clause 6.6

Test results:

| Seat load<br>N | Downwards force<br>N | Number of applications | Remarks    |
|----------------|----------------------|------------------------|------------|
| 1.300          | 600                  | 10                     | No defects |

Note:

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TEST REPORT

213400 / 5

Date received: 26/04/16

Date of test: 11/05/16

Date of issue: 29/06/16

Sample name: PIAZZA chair



CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
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ITALIA

**Arm sideways static load test EN 1728:2012+AC:2013**

Arm sideways static load test clause 6.10

Test results:

| Horizontal force<br>N | Number of applications | Remarks    |
|-----------------------|------------------------|------------|
| 400                   | 10                     | No defects |

Note:

The test has been carried out according to table 1 of EN 16139:2013, level L1 - general.

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## TEST REPORT

**213400 / 6**

Date received: 26/04/16

Date of test: 11/05/16

Date of issue: 29/06/16

Sample name: PIAZZA chair



CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
31037 RAMON DI LORIA (TV)  
ITALIA

### Arm downwards static load test EN1728:2012+AC:2013

Arm downwards static load test clause 6.11

Test results:

| Vertical force<br>N | Number of applications | Remarks    |
|---------------------|------------------------|------------|
| 750                 | 5                      | No defects |

Note:

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TEST REPORT

213400 / 7

Date received: 26/04/16

Date of test: 11/05/16

Date of issue: 29/06/16

Sample name: PIAZZA chair



CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
31037 RAMON DI LORIA (TV)  
ITALIA

**Seat and back fatigue test EN 1728:2012+AC:2013**

Seat and back fatigue test, clause 6.17

Test results:

| Seat force<br>N | Back force<br>N | Number<br>of cycles | Remarks    |
|-----------------|-----------------|---------------------|------------|
| 1.000           | 300             | 100.000             | No defects |

Note:

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## TEST REPORT

**213400 / 8**

Date received: 26/04/16

Date of test: 07/06/16

Date of issue: 29/06/16

Sample name: PIAZZA chair



CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
31037 RAMON DI LORIA (TV)  
ITALIA

### Seat front edge durability test EN 1728:2012+AC:2013

Seat front edge durability test clause 6.18

Test results:

| Points of application           | Seat force N | Number of cycles | Remarks    |
|---------------------------------|--------------|------------------|------------|
| 100 mm back from the front edge | 800          | 50.000           | No defects |

Note:

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## TEST REPORT

**213400 / 9**

Date received: 26/04/16

Date of test: 13/06/16

Date of issue: 29/06/16

Sample name: PIAZZA chair



CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
31037 RAMON DI LORIA (TV)  
ITALIA

### Arm fatigue test EN 1728:2012+AC:2013

Arm fatigue test clause 6.20

Test results:

| Force<br>on arm rest<br>N | Number<br>of cycles | Remarks    |
|---------------------------|---------------------|------------|
| 400                       | 30.000              | No defects |

Note:

The test has been carried out according to table 1 of EN 16139:2013, level L1 - general.

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TEST REPORT

213400 / 10

Date received: 26/04/16

Date of test: 16/06/16

Date of issue: 29/06/16

Sample name: PIAZZA chair



CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
31037 RAMON DI LORIA (TV)  
ITALIA

**Leg forward static load test EN 1728:2012+AC:2013**

Leg forward static load test clause 6.15

Test results:

| Forward horizontal force<br>N | Balancing seat force<br>N | Number of cycles | Remarks    |
|-------------------------------|---------------------------|------------------|------------|
| 500                           | 1.000                     | 10               | No defects |

Note:

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TEST REPORT

213400 / 11

Date received: 26/04/16

Date of test: 16/06/16

Date of issue: 29/06/16

Sample name: PIAZZA chair



CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
31037 RAMON DI LORIA (TV)  
ITALIA

**Leg sideways static load test EN 1728:2012+AC:2013**

Leg sideways static load test clause 6.16

Test results:

| Sideways horizontal force<br>N | Balancing seat force<br>N | Number of cycles | Remarks    |
|--------------------------------|---------------------------|------------------|------------|
| 330                            | 1.000                     | 10               | No defects |

Note:

According to EN 1728:2012, horizontal force has been reduced from 400 N to 330 N, to avoid tipping.

The test has been carried out according to table 1 of EN 16139:2013, level L1 - general.

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TEST REPORT

213400 / 12

Date received: 26/04/16

Date of test: 16/06/16

Date of issue: 29/06/16

Sample name: PIAZZA chair



CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
31037 RAMON DI LORIA (TV)  
ITALIA

**Seat impact test EN 1728:2012+AC:2013**

Seat impact test clause 6.24

Test results:

| Mass of impactor<br>kg | Height of drop<br>mm | Number of drops | Remarks    |
|------------------------|----------------------|-----------------|------------|
| 25                     | 240                  | 10              | No defects |

Note:

The test has been carried out according to table 1 of EN 16139:2013, level L1 - general.

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TEST REPORT

213400 / 13

Date received: 26/04/16

Date of test: 16/06/16

Date of issue: 29/06/16

Sample name: PIAZZA chair



CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
31037 RAMON DI LORIA (TV)  
ITALIA

**Back impact test EN 1728:2012+AC:2013**

Back impact test clause 6.25

Test results:

| Angle<br>° | Mass of<br>impactor<br>kg | Number<br>of cycles | Remarks    |
|------------|---------------------------|---------------------|------------|
| 38         | 6,5                       | 10                  | No defects |

Note:

The test has been carried out according to table 1 of EN 16139:2013, level L1 - general.

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## TEST REPORT

**213400 / 14**

Date received: 26/04/16

Date of test: 16/06/16

Date of issue: 29/06/16

Sample name: PIAZZA chair



CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
31037 RAMON DI LORIA (TV)  
ITALIA

## Arm rest impact test EN 1728:2012+AC:2013

Arm rest impact test clause 6.26

### Test results:

| Angle<br>° | Mass of<br>impactor<br>kg | Number<br>of cycles | Remarks    |
|------------|---------------------------|---------------------|------------|
| 38         | 6,5                       | 10                  | No defects |

### Note:

The test has been carried out according to table 1 of EN 16139:2013, level L1 - general.

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TEST REPORT

213400 / 15

Date received: 26/04/16

Date of test: 16/06/16

Date of issue: 29/06/16

Sample name: PIAZZA chair



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**Stability - EN 1022:2005**

Type of chair: fixed geometry

Minimum horizontal force for rearwards overturning of fixed back chair: 161 N

**Forwards overturning**

Horizontal force : 20 N does not overturn

**Rearwards overturning**

Fixed back chair

Horizontal force : 161 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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