

Date of receipt: 23/02/21

Date of issue: 24/03/21

Report consists of 14 test reports.

Defects before testing: None

Sample name: DIVANO SOCIAL

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

SAMPLE N° 305944

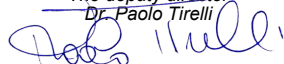
Overall dimensions: 1800 x 660 x 770 (h) mm

List of test reports:

1. Safety requirements EN 16139:2013+AC:2013
2. Seat and back static load test EN 1728:2012+AC:2013
3. Arm sideways static load test EN 1728:2012+AC:2013
4. Arm downwards static load test EN1728:2012+AC:2013
5. Seat and back fatigue test EN 1728:2012+AC:2013
6. Seat front edge durability test EN 1728:2012+AC:2013
7. Arm fatigue test EN 1728:2012+AC:2013
8. Leg forward static load test EN 1728:2012+AC:2013
9. Leg sideways static load test EN 1728:2012+AC:2013
10. Seat impact test EN 1728:2012+AC:2013
11. Back impact test EN 1728:2012+AC:2013
12. Arm rest impact test EN 1728:2012+AC:2013
13. Drop test for multiple seat units EN 1728:2012+AC:2013
14. Stability EN 1022:2018, clause 7.3



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The deputy director
Dr. Paolo Tirelli


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TEST REPORT

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Revision: 0
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Sample name: DIVANO SOCIAL

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Safety requirements EN 16139:2013+AC:2013

Safety requirements clause 4

| Statement checked | Remarks |
|--|--|
| Corner and edges in contact with the users: • Absence of sharp edges and corners | Yes |
| Edges on the handles: • Absence of sharp edges and corners in the direction of the force | Handles not present |
| Other edges: • Absence of sharp edges and corners | Yes |
| Accessible hollow components: • The ends of hollow components are closed or capped | Yes |
| Movable and adjustable parts: • 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: • It shall not be possible for any load bearing part of the seating to come loose unintentionally | Yes |
| Parts which are lubricated: • All the parts which are lubricated shall be designed to protect users | Lubricated parts not present |
| Shear and squeeze points between movable parts $\geq 8 \text{ mm} \leq 25 \text{ mm}$: • Shear and squeeze points under influence of powered mechanism • Shear and squeeze points during normal use and during normal movements and actions | Mechanism not present No |

Conformity to clauses 4.1 and 4.2 of standard EN 16139:2013+AC:2013: **YES**

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TEST REPORT

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Revision: 0
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Date of issue: 24/03/21



Sample name: DIVANO SOCIAL

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

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

Test performed according to EN 16139:2013+AC:2013

Seat and back static load test, clause 6.4, EN 1728:2012+AC:2013

Test results:

| Seat load N | Back force N | Number of cycles | Remarks |
|----------------|-----------------|---------------------|------------|
| 2.000 | 700 | 10 | No defects |

Seat front edge static load, clause 6.5, EN 1728:2012+AC:2013

| Seat load N | Number of cycles | Remarks |
|----------------|---------------------|------------|
| 1.600 | 10 | No defects |

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

The test has been carried out simultaneously on the central position and one end position.

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Sample name: DIVANO SOCIAL

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

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

Test performed according to EN 16139:2013+AC:2013

Arm sideways static load test clause 6.10, EN 1728:2012+AC:2013

Test results:

| Horizontal force N | Number of applications | Remarks |
|--------------------|------------------------|------------|
| 900 | 10 | No defects |

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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TEST REPORT

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Sample name: DIVANO SOCIAL

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

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

Test performed according to EN 16139:2013+AC:2013

Arm downwards static load test clause 6.11, EN 1728:2012+AC:2013

Test results:

| Vertical force N | Number of applications | Remarks |
|---------------------|------------------------|------------|
| 900 | 5 | No defects |

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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TEST REPORT

305944 / 5

Revision: 0
Date of receipt: 23/02/21
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Date of issue: 24/03/21



Sample name: DIVANO SOCIAL

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

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

Test performed according to EN 16139:2013+AC:2013

Seat and back fatigue test, clause 6.17, EN 1728:2012+AC:2013

Test results:

| Seat force N | Back force N | Number of cycles | Remarks |
|-----------------|-----------------|---------------------|------------|
| 1.000 | 300 | 200.000 | No defects |

Note:

The test has been carried out simultaneously on the central position and one end position.

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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TEST REPORT

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Revision: 0
Date of receipt: 23/02/21
Date of test: 09/03/21
Date of issue: 24/03/21



Sample name: DIVANO SOCIAL

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

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

Test performed according to EN 16139:2013+AC:2013

Seat front edge durability test clause 6.18, EN 1728:2012+AC:2013

Test results:

| Points of application | Seat force N | Number of cycles | Remarks |
|--|--------------|------------------|------------|
| 100 mm back from the front and sides edges | 800 | 100.000 | No defects |

Note:

The test has been carried out on the centre position and consecutively on one end position, for 200.000 cycles in total.

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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TEST REPORT

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Revision: 0
Date of receipt: 23/02/21
Date of test: 19/03/21
Date of issue: 24/03/21



Sample name: DIVANO SOCIAL

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Arm fatigue test EN 1728:2012+AC:2013

Test performed according to EN 16139:2013+AC:2013

Arm fatigue test clause 6.20, EN 1728:2012+AC:2013

Test results:

| Force on arm rest N | Number of cycles | Remarks |
|---------------------|------------------|------------|
| 400 | 60.000 | No defects |

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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Revision: 0
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Sample name: DIVANO SOCIAL

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

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

Test performed according to EN 16139:2013+AC:2013

Leg forward static load test clause 6.15, EN 1728:2012+AC:2013

Test results:

| Forward horizontal force N | Balancing seat force N | Number of cycles | Remarks |
|-------------------------------|---------------------------|------------------|------------|
| 620 | 1.800 | 10 | No defects |

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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TEST REPORT

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Sample name: DIVANO SOCIAL

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

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

Test performed according to EN 16139:2013+AC:2013

Leg sideways static load test clause 6.16, EN 1728:2012+AC:2013

Test results:

| Sideways horizontal force N | Balancing seat force N | Number of cycles | Remarks |
|--------------------------------|---------------------------|------------------|------------|
| 760 | 1.800 | 10 | No defects |

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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TEST REPORT
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Revision: 0
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Date of issue: 24/03/21



Sample name: DIVANO SOCIAL

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Seat impact test EN 1728:2012+AC:2013

Test performed according to EN 16139:2013+AC:2013

Seat impact test clause 6.24, EN 1728:2012+AC:2013

Test results:

| Mass of impactor kg | Height of drop mm | Impact point | Number of drops | Remarks |
|---------------------|-------------------|---|-----------------|------------|
| 25 | 300 | point A | 10 | No defects |
| 25 | 300 | at 100 mm from the front edge of the seat | 10 | No defects |

Note:

The test has been carried out on the centre position and consecutively on one end position, for 40 cycles in total.

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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Sample name: DIVANO SOCIAL

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Back impact test EN 1728:2012+AC:2013

Test performed according to EN 16139:2013+AC:2013

Back impact test clause 6.25, EN 1728:2012+AC:2013

Test results:

| Angle ° | Mass of impactor kg | Number of cycles | Remarks |
|------------|---------------------------|---------------------|------------|
| 48 | 6,5 | 10 | No defects |

Note:

The test has been carried out on the centre position and consecutively on one end position, for 20 cycles in total.

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Sample name: DIVANO SOCIAL

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

Test performed according to EN 16139:2013+AC:2013

Arm rest impact test clause 6.26, EN 1728:2012+AC:2013

Test results:

| Angle | Mass of impactor kg | Number of cycles | Remarks |
|-------|---------------------|------------------|------------|
| 48 | 6,5 | 10 | No defects |

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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TEST REPORT

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Sample name: DIVANO SOCIAL

PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Drop test for multiple seat units EN 1728:2012+AC:2013

Test performed according to EN 16139:2013+AC:2013

Drop test for multiple seat units clause 6.27.1, EN 1728:2012+AC:2013

Weight of one end of the unit: 20 kg

Test results:

| Height of drop mm | Number of drops | Remarks |
|-------------------|-----------------|------------|
| 450 | 10 | No defects |

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013+AC:2013, level 2.

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TEST REPORT
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PEDRALI S.P.A.
STRADA PROVINCIALE 122
24050 MORNICO AL SERIO (BG)
ITALIA

Stability EN 1022:2018, clause 7.3

Type of chair: fixed geometry

Positioning of chair components: as specified in Table 1 of EN 1022:2018

Loads and masses according to table B1 of EN 1022:2018, annex B

Forwards overturning

Forwards overturning, clause 7.3.1 : does not overturn *

Forwards overturning for seating with foot rest, clause 7.3.2 : //

Corner stability, clause 7.3.3 : does not overturn

Sideways overturning

Sideways overturning, all seating without arm rests, clause 7.3.4 : does not overturn

Seating with arm rests, clause 7.3.5.2 : does not overturn

Seating with raised side edges, clause 7.3.5.3 : //

Rearwards overturning

Rearwards overturning all seating with back rests, clause 7.3.6

Minimum force required: 374 N : does not overturn *

Tilting seating, clause 7.4.2 : //

Reclining seating with leg rest, clause 7.4.3 : //

Reclining seating without leg rest, clause 7.4.4 : //

Rearwards stability test for rocking chairs, clause 7.4.5 //

* The test has been carried out simultaneously on two positions.

The test results comply with the requirements in clause 7.2 of EN 1022:2018.

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