

Date received: 01/04/19

Date of issue: 18/07/19

Report consists of 15 test reports.

Defects before testing: None

Sample name: MAX armchair - wooden legs

MAXDESIGN ITALIA S.R.L. VIA CASTELLANA 59 31037 LORIA (TV) ITALIA

# **SAMPLE N° 269358**

Overall dimensions: 540 x 540 x 790 (h) mm

#### List of test reports:

- 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 EN1728:2012+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
- 9. All I latigue lest EN 1/20.2012+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



This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

aging Director Andrea Giavon



# **SAMPLE N° 269358**

Date of issue: 18/07/19

Sample weight: Not determined

Sample name: MAX armchair - wooden legs



Side view



Bottom view



Rear view



Testing site: via Braide Matte, 4 33048 San Giovanni al Natisone (UD) tel. +39 0432 747211 lab@catas.com



LAB N° 0027 Membro degli MRA EA, IAF e ILAC

# **TEST REPORT** 269358 / 1

Revision:

Date received: 01/04/19 Date of test: 10/06/19 Date of issue: 18/07/19

Sample name: MAX armchair - wooden legs



MAXDESIGN ITALIA S.R.L. **VIA CASTELLANA 59** 31037 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:	
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	No
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 ≥ 8 mm ≤ 25 mm:	
Shear and squeeze points under influence of powered mechanism	Mechanism not present
Shear and squeeze points during normal use and during normal movements and actions	No

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

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic

signature systems.

anaging Director n Andrea Giavon



Testing site: via Braide Matte, 4 33048 San Giovanni al Natisone (UD) tel. +39 0432 747211 lab@catas.com

# TEST REPORT 269358 / 2

Revision: 0

 Date received:
 01/04/19

 Date of test:
 17/07/19

 Date of issue:
 18/07/19

Sample name: MAX armchair - wooden legs



MAXDESIGN ITALIA S.R.L. VIA CASTELLANA 59 31037 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 and English 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
---	-----

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

| //

Managing Director Dr. Andrea Giavon



Testing site: via Braide Matte, 4 33048 San Giovanni al Natisone (UD) tel. +39 0432 747211 lab@catas.com



LAB N° 0027 Membro degli MRA EA, IAF e ILAC

# **TEST REPORT** 269358 / 3

Revision:

Date received: 01/04/19 Date of test: 11/06/19 Date of issue: 18/07/19

Sample name: MAX armchair - wooden legs



MAXDESIGN ITALIA S.R.L. VIA CASTELLANA 59 31037 LORIA (TV) **ITALIA** 

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

## Test performed according to EN 16139:2013

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
1.600	470	10	No defects

#### Note:

According to EN 1728:2012+AC:2013, back force has been reduced from 560 N to 470 N to avoid tipping.

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

;	Seat load N	Number of cycles	Remarks
	1.300	10	No defects

## Note:

The test results comply with the requirements in clause 5 of EN 16139:2013, level 1.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic

signature systems.

naging Director Andrea Giavon



Testing site: via Braide Matte, 4 33048 San Giovanni al Natisone (UD) tel. +39 0432 747211 lab@catas.com



LAB N° 0027 Membro degli MRA EA, IAF e ILAC

# TEST REPORT

269358 / 4

Revision: 0
Date received: 01/04/19

Date of test: 11/06/19
Date of issue: 18/07/19

Sample name: MAX armchair - wooden legs

MAXDESIGN ITALIA S.R.L. VIA CASTELLANA 59 31037 LORIA (TV) ITALIA

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

## Test performed according to EN 16139:2013

Vertical static load on back rest clause 6.6, EN 1728:2012+AC:2013

#### Test results:

Seat load N	Downwards force N	Number of applications	Remarks
1.300	600	10	No defects

### Note:

The test results comply with the requirements in clause 5 of EN 16139:2013, level 1.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

signature systems.

Managing Director Pr. Andrea Giavon



Testing site: via Braide Matte, 4 33048 San Giovanni al Natisone (UD) tel. +39 0432 747211 lab@catas.com



LAB N° 0027 Membro degli MRA EA, IAF e ILAC

# TEST REPORT **269358 / 5**

Revision: 0

 Date received:
 01/04/19

 Date of test:
 11/06/19

 Date of issue:
 18/07/19

Sample name: MAX armchair - wooden legs



MAXDESIGN ITALIA S.R.L. VIA CASTELLANA 59 31037 LORIA (TV) ITALIA

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

## Test performed according to EN 16139:2013

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

#### Test results:

Horizontal force N	Number of applications	Remarks
400	10	No defects

#### Note:

The test results comply with the requirements in clause 5 of EN 16139:2013, level 1.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

Managing Director Dr. Andrea Giavon

signature systems.



Testing site: via Braide Matte, 4 33048 San Giovanni al Natisone (UD) tel. +39 0432 747211 lab@catas.com



LAB N° 0027 Membro degli MRA EA, IAF e ILAC

# TEST REPORT 269358 / 6

Revision: 0

 Date received:
 01/04/19

 Date of test:
 11/06/19

 Date of issue:
 18/07/19

Sample name: MAX armchair - wooden legs



MAXDESIGN ITALIA S.R.L. VIA CASTELLANA 59 31037 LORIA (TV) ITALIA

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

## Test performed according to EN 16139:2013

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

#### Test results:

Vertical force N	Number of applications	Remarks
750	5	No defects

#### Note:

The test results comply with the requirements in clause 5 of EN 16139:2013, level 1.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

signature systems.

Janaging Director Or Andrea Giavon



Testing site: via Braide Matte, 4 33048 San Giovanni al Natisone (UD) tel. +39 0432 747211 lab@catas.com



LAB N° 0027 Membro degli MRA EA, IAF e ILAC

# TEST REPORT

269358 / 7

Revision: 0

 Date received:
 01/04/19

 Date of test:
 11/06/19

 Date of issue:
 18/07/19

Sample name: MAX armchair - wooden legs



MAXDESIGN ITALIA S.R.L. VIA CASTELLANA 59 31037 LORIA (TV) ITALIA

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

## Test performed according to EN 16139:2013

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	100.000	No defects

#### Note:

The test results comply with the requirements in clause 5 of EN 16139:2013, level 1.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature over these.

naging Director Andrea Giavon

signature systems.



Testing site: via Braide Matte, 4 33048 San Giovanni al Natisone (UD) tel. +39 0432 747211 lab@catas.com



LAB N° 0027 Membro degli MRA EA, IAF e ILAC

# TEST REPORT 269358 / 8

Revision: 0

 Date received:
 01/04/19

 Date of test:
 21/06/19

 Date of issue:
 18/07/19

Sample name: MAX armchair - wooden legs



MAXDESIGN ITALIA S.R.L. VIA CASTELLANA 59 31037 LORIA (TV) ITALIA

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

## Test performed according to EN 16139:2013

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	50.000	No defects

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013, level 1.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

anaging Director Andrea Giavon

signature systems.



Testing site: via Braide Matte, 4 33048 San Giovanni al Natisone (UD) tel. +39 0432 747211 lab@catas.com



LAB N° 0027 Membro degli MRA EA, IAF e ILAC

# TEST REPORT **269358 / 9**

Revision: 0

 Date received:
 01/04/19

 Date of test:
 02/07/19

 Date of issue:
 18/07/19

Sample name: MAX armchair - wooden legs



MAXDESIGN ITALIA S.R.L. VIA CASTELLANA 59 31037 LORIA (TV) ITALIA

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

### Test performed according to EN 16139:2013

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

#### Test results:

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

Note:

The test results comply with the requirements in clause 5 of EN 16139:2013, level 1.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

naging Director Andrea Giavon

signature systems.



Testing site: via Braide Matte, 4 33048 San Giovanni al Natisone (UD) tel. +39 0432 747211 lab@catas.com



LAB N° 0027 Membro degli MRA EA, IAF e ILAC

# TEST REPORT

269358 / 10

Revision: 0

 Date received:
 01/04/19

 Date of test:
 11/07/19

 Date of issue:
 18/07/19

Sample name: MAX armchair - wooden legs



MAXDESIGN ITALIA S.R.L. VIA CASTELLANA 59 31037 LORIA (TV) ITALIA

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

## Test performed according to EN 16139:2013

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
500	1.000	10	No defects

#### Note:

The test results comply with the requirements in clause 5 of EN 16139:2013, level 1.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

signature systems.

Managing Director Dr. Andrea Giavon



Testing site: via Braide Matte, 4 33048 San Giovanni al Natisone (UD) tel. +39 0432 747211 lab@catas.com



LAB N° 0027 Membro degli MRA EA, IAF e ILAC

## **TEST REPORT**

269358 / 11

Revision: (

 Date received:
 01/04/19

 Date of test:
 11/07/19

 Date of issue:
 18/07/19

Sample name:

MAXDESIGN ITALIA S.R.L. VIA CASTELLANA 59 31037 LORIA (TV) ITALIA

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

## Test performed according to EN 16139:2013

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

MAX armchair - wooden legs

#### Test results:

Sideways horizontal force N	Balancing seat force N	Number of cycles	Remarks
400	1.000	10	No defects

### Note:

The test results comply with the requirements in clause 5 of EN 16139:2013, level 1.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

signature systems.

Jahaging Director r. Andrea Giavon



Testing site: via Braide Matte, 4 33048 San Giovanni al Natisone (UD) tel. +39 0432 747211 lab@catas.com



LAB N° 0027 Membro degli MRA EA, IAF e ILAC

## **TEST REPORT**

269358 / 12

Revision: 0

 Date received:
 01/04/19

 Date of test:
 11/07/19

 Date of issue:
 18/07/19

Sample name: MAX armchair - wooden legs



MAXDESIGN ITALIA S.R.L. VIA CASTELLANA 59 31037 LORIA (TV) ITALIA

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

## Test performed according to EN 16139:2013

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	240	point A	10	No defects
25	240	100 mm from the front seat edge	10	No defects

#### Note:

The test results comply with the requirements in clause 5 of EN 16139:2013, level 1.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature over the standard of the standard of

signature systems.

Managing Director Dr. Andrea Giavon



Testing site: via Braide Matte, 4 33048 San Giovanni al Natisone (UD) tel. +39 0432 747211 lab@catas.com



LAB N° 0027 Membro degli MRA EA, IAF e ILAC

## **TEST REPORT**

269358 / 13

Revision:

Date received: 01/04/19 Date of test: 11/07/19 Date of issue: 18/07/19

Sample name:



MAXDESIGN ITALIA S.R.L. VIA CASTELLANA 59 31037 LORIA (TV) **ITALIA** 

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

## Test performed according to EN 16139:2013

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

#### Test results:

Angle	Mass of impactor kg	Number of cycles	Remarks
38	6,5	10	No defects

### Note:

The test results comply with the requirements in clause 5 of EN 16139:2013, level 1.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic

Managing Director Dr. Andrea Giavon

signature systems.



Testing site: via Braide Matte, 4 33048 San Giovanni al Natisone (UD) tel. +39 0432 747211 lab@catas.com



LAB N° 0027 Membro degli MRA EA, IAF e ILAC

# TEST REPORT

269358 / 14

Revision:

 Date received:
 01/04/19

 Date of test:
 11/07/19

 Date of issue:
 18/07/19

Sample name: MAX armchair - wooden legs



MAXDESIGN ITALIA S.R.L. VIA CASTELLANA 59 31037 LORIA (TV) ITALIA

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

## Test performed according to EN 16139:2013

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

#### Test results:

Angle	Mass of impactor kg	Number of cycles	Remarks
38	6,5	10	No defects

#### Note:

The test results comply with the requirements in clause 5 of EN 16139:2013, level 1.

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

signature systems.

Managing Director Ør. Andrea Giavon



Testing site: via Braide Matte, 4 33048 San Giovanni al Natisone (UD) tel. +39 0432 747211 lab@catas.com



LAB N° 0027 Membro degli MRA EA, IAF e ILAC

## **TEST REPORT**

269358 / 15

Revision: 0

 Date received:
 01/04/19

 Date of test:
 11/07/19

 Date of issue:
 18/07/19

Sample name: MAX



MAXDESIGN ITALIA S.R.L. VIA CASTELLANA 59 31037 LORIA (TV) ITALIA

## **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 : /

The test result complies with the requirements of EN 1022:2005

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

Managing Director Dr. Andrea Giavon



CATAS S.p.A. Iscr. Reg. Imprese Udine nr. iscr. C.F. 01818850305 Reg. Impr. UD 20663 P. IVA: 01818850305 C.Soc. € 984.250,00 i.v.

Sede: Via Antica, 24/3 33048 S. Giovanni al Nat. UD Tel. 0432.747211 r.a. Fax 0432.747250 http://www.catas.com lab@catas.com

Filiale: Via Braille, 5 20851 Lissone MB Tel. 039.464567 lissone@catas.com

# **Declaration of conformity**

n° 12328 / 2019

### According to the results of the following tests:

EN 16139	test report n. 269358- 1/2019
EN 16139	test report n. 269358- 2/2019
EN 1728	test report n. 269358- 3/2019
EN 1728	test report n. 269358- 4/2019
EN 1728	test report n. 269358- 5/2019
EN 1728	test report n. 269358- 6/2019
EN 1728	test report n. 269358- 7/2019
EN 1728	test report n. 269358- 8/2019
EN 1728	test report n. 269358- 9/2019
EN 1728	test report n. 269358- 10/2019
EN 1728	test report n. 269358- 11/2019
EN 1728	test report n. 269358- 12/2019
EN 1728	test report n. 269358- 13/2019
EN 1728	test report n. 269358- 14/2019
EN 1022	test report n. 269358- 15/2019



we hereby testify that

# MAX armchair - wooden legs

of company
MAXDESIGN ITALIA S.R.L. - VIA CASTELLANA 59 - 31037 LORIA (TV)ITALIA

complies with the strenght, durability and safety requirements of 1st level of EN 16139:2013

This document is validated by digital signature and time stamping in accordance with the Italian laws and the European Directives which regulate the electronic signature systems.

ll Direttore Andrea Giavon

July 18th, 2019