

Date received: 29/04/20

Date of issue: 28/05/20

Report consists of 7 test reports.

Defects before testing: None

Sample name: HYPPO LOUNGE

CANTARUTTI S.R.L.  
VIA MAGGIORE 14  
33040 PREMARIACCO (UD)  
ITALIA

## SAMPLE N° 289480

Overall dimensions: 700 x 600 x 720 (h) mm

### List of test reports:

1. Back durability test - Cyclic-Type II and III ANSI-BIFMA X5.1-2017/15
2. Seating durability test - Cyclic - ANSI-BIFMA X5.1-2017/10
3. Drop test - Dynamic - ANSI- BIFMA X5.1-2017/7
4. Leg strength test-Front application ANSI-BIFMA X5.1-2017/17
5. Leg strength test- Side application ANSI-BIFMA X5.1-2017/17
6. Backrest strength test - Static ANSI-BIFMA X5.1-2017/6
7. Stability test ANSI-BIFMA X5.1-2017/11

*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

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

## **SAMPLE N° 289480**

Date of issue: 28/05/20  
Sample weight: Not determined  
Sample name: HYPPO LOUNGE

**TEST REPORT**

**289480 / 1**

Revision: 0  
Date received: 29/04/20  
Date of test: 04/05/20  
Date of issue: 28/05/20

CANTARUTTI S.R.L.  
VIA MAGGIORE 14  
33040 PREMARIACCO (UD)  
ITALIA

Sample name: HYPPO LOUNGE

**Back durability test - Cyclic-Type II and III ANSI-BIFMA X5.1-2017/15**

Type of chair: Type III

Test results:

| Number of cycles | Seat load kg | Force application points on the backrest | Backrest force N | Remarks    |
|------------------|--------------|------------------------------------------|------------------|------------|
| 80.000           | 109          | Center of the backrest                   | 334              | No defects |
| 20.000           | 109          | 102 mm right from the center             | 334              | No defects |
| 20.000           | 109          | 102 mm left from the center              | 334              | No defects |

The test results comply with the requirements in clause 15.5 of ANSI-BIFMA X5.1-2017

*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 Giavonni*

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

**TEST REPORT**

**289480 / 2**

Revision: 0  
Date received: 29/04/20  
Date of test: 14/05/20  
Date of issue: 28/05/20

CANTARUTTI S.R.L.  
VIA MAGGIORE 14  
33040 PREMARIACCO (UD)  
ITALIA

Sample name: HYPPO LOUNGE

**Seating durability test - Cyclic - ANSI-BIFMA X5.1-2017/10**

Type of chair: Type III

Seat impact test

Height of drop: 36 mm above the uncompressed seat surface

Test results:

| Mass of drop kg | Number of drops | Remarks    |
|-----------------|-----------------|------------|
| 57              | 100.000         | No defects |

Front corner load-ease test - cyclic -off-center

Test results:

| Seat load N | Number of cycles | Remarks    |
|-------------|------------------|------------|
| 890         | 20.000           | No defects |

The test results comply with the requirements in clause 10.5 of ANSI-BIFMA X5.1-2017

*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*

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

**TEST REPORT**

**289480 / 3**

Revision: 0  
Date received: 29/04/20  
Date of test: 26/05/20  
Date of issue: 28/05/20

Sample name: HYPPO LOUNGE

CANTARUTTI S.R.L.  
VIA MAGGIORE 14  
33040 PREMARIACCO (UD)  
ITALIA

**Drop test - Dynamic - ANSI- BIFMA X5.1-2017/7**

Type of chair: Type III

Height of drop: 152 mm above the uncompressed seat surface

Test results:

| Bag weight<br>kg | Number<br>of drops | Remarks    |
|------------------|--------------------|------------|
| 102              | 1                  | No defects |
| 136              | 1                  | No defects |

The test results comply with the requirements in clause 7.5 of ANSI-BIFMA X5.1-2017

*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*

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

TEST REPORT

289480 / 4

Revision: 0  
Date received: 29/04/20  
Date of test: 28/05/20  
Date of issue: 28/05/20

Sample name: HYPPO LOUNGE

CANTARUTTI S.R.L.  
VIA MAGGIORE 14  
33040 PREMARIACCO (UD)  
ITALIA

**Leg strength test-Front application ANSI-BIFMA X5.1-2017/17**

Type of chair: Type III

Test results:

| Leg       | Applied load N | Load application points mm              | Time of application minutes | Remarks    |
|-----------|----------------|-----------------------------------------|-----------------------------|------------|
| Right leg | 334            | 38 from the bottom and 25 from the edge | 1                           | No defects |
| Left leg  | 334            | 38 from the bottom and 25 from the edge | 1                           | No defects |

| Leg       | Applied load N | Load application points mm              | Time of application minutes | Remarks    |
|-----------|----------------|-----------------------------------------|-----------------------------|------------|
| Right leg | 503            | 38 from the bottom and 25 from the edge | 1                           | No defects |
| Left leg  | 503            | 38 from the bottom and 25 from the edge | 1                           | No defects |

The test results comply with the requirements in clause 17.5 of ANSI-BIFMA X5.1-2017

*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

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

**TEST REPORT**

**289480 / 5**

Revision: 0  
Date received: 29/04/20  
Date of test: 28/05/20  
Date of issue: 28/05/20

Sample name: HYPPO LOUNGE

CANTARUTTI S.R.L.  
VIA MAGGIORE 14  
33040 PREMARIACCO (UD)  
ITALIA

**Leg strength test- Side application ANSI-BIFMA X5.1-2017/17**

Type of chair: Type III

Test results:

| Leg       | Applied load N | Load application points mm              | Time of application minutes | Remarks    |
|-----------|----------------|-----------------------------------------|-----------------------------|------------|
| Front leg | 334            | 38 from the bottom and 25 from the edge | 1                           | No defects |
| Rear leg  | 334            | 38 from the bottom and 25 from the edge | 1                           | No defects |

| Leg       | Applied load N | Load application points mm              | Time of application minutes | Remarks    |
|-----------|----------------|-----------------------------------------|-----------------------------|------------|
| Front leg | 503            | 38 from the bottom and 25 from the edge | 1                           | No defects |
| Rear leg  | 503            | 38 from the bottom and 25 from the edge | 1                           | No defects |

The test results comply with the requirements in clause 17.5 of ANSI-BIFMA X5.1-2017

*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*

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.

**TEST REPORT**

**289480 / 6**

Revision: 0  
Date received: 29/04/20  
Date of test: 28/05/20  
Date of issue: 28/05/20

Sample name: HYPPO LOUNGE

CANTARUTTI S.R.L.  
VIA MAGGIORE 14  
33040 PREMARIACCO (UD)  
ITALIA

**Backrest strength test - Static ANSI-BIFMA X5.1-2017/6**

Type of chair: Type III

Test results:

| Back load<br>N | Time<br>of application<br>(minutes) | Remarks    |
|----------------|-------------------------------------|------------|
| 667            | 1                                   | No defects |
| 1.001          | 1                                   | No defects |

The test results comply with the requirements in clause 6.5 of ANSI-BIFMA X5.1-2017

*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

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and to others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.



**TEST REPORT**

**289480 / 7**

Revision: 0  
Date received: 29/04/20  
Date of test: 28/05/20  
Date of issue: 28/05/20

Sample name: HYPPO LOUNGE

CANTARUTTI S.R.L.  
VIA MAGGIORE 14  
33040 PREMARIACCO (UD)  
ITALIA

**Stability test ANSI-BIFMA X5.1-2017/11**

|                                        |          |    |                   |
|----------------------------------------|----------|----|-------------------|
| Type of chair:                         | Type III |    |                   |
| Clause 11.3.1                          |          |    |                   |
| Rear stability for chair type III      |          |    |                   |
| Seat load:                             | 60       | kg |                   |
| Minimum force required :               | 181      | N  | Does not overturn |
| Measured force:                        | > 210    | N  |                   |
| Clause 11.3.2                          |          |    |                   |
| Rear stability for chair type I and II |          |    |                   |
| Loading discs on the seat:             | /        |    |                   |
| Clause 11.4                            |          |    |                   |
| Front stability                        |          |    |                   |
| Vertical load:                         | 61       | kg |                   |
| Minimum force required:                | 20       | N  | Does not overturn |
| Measured force:                        | > 30     | N  |                   |

The test results comply with the requirements in clause 11.3.1.3 and 11.4.4 of ANSI-BIFMA X5.1-2017

Unless otherwise specified, measurement uncertainty expanded to a confidence level of about 95% is  $\pm 2$  N.

The measurement uncertainties stated in this document have been determined according to UNI CEI 70098-3:2016. They were estimated as expanded uncertainty obtained by multiplying the standard uncertainty by the coverage factor k corresponding to a confidence level of about 95%. Normally  $k=2$ .

*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

The sample name and, when relevant, its description, are given by the orderer, and CATAS does not assume responsibility on this matter. This test report relates to the sample submitted for the test and no others. Additions, deletions or alterations are not permitted. This test report must always be reproduced in its entirety. Unless otherwise required by standards and technical specifications or agreed with the customer, any declarations of conformity made by CATAS are based on the comparison between results and reference values, where the confidence intervals of the measures are not taken into account. Unless otherwise stated, sampling is made by the customer; in this case the test results are referred to the sample as received.