

## Attestazione di Conformità al Decreto Legislativo n° 81 del 09-04-2008 e successive integrazioni ed aggiornamenti **Attestazione n° 1940/2023**

Valutati i risultati ottenuti nelle prove secondo le norme:

UNI EN 1335-1 protocollo n° 354196-1/2023  
UNI EN 1335-1 protocollo n° 360594-1/2023  
UNI EN 1335-2 protocollo n° 354196-2/2023  
UNI EN 1335-2 protocollo n° 360594-2/2023  
UNI EN 1728 protocollo n° 354196-3/2023  
UNI EN 1728 protocollo n° 354196-4/2023  
UNI EN 1728 protocollo n° 360594-3/2023  
UNI EN 1728 protocollo n° 360594-4/2023  
UNI EN 1022 protocollo n° 360594-5/2023  
UNI EN 1728 protocollo n° 360594-6/2023

Constatato che il campione esaminato è dotato di sedile regolabile in altezza, di schienale regolabile in altezza ed inclinazione e risponde alla tipologia A, con supporto lombare regolabile, della EN 1335-1:2020/A1:2022,

attestiamo che il campione denominato



**Sedia ufficio TITAN  
della ditta  
CERANTOLA S.P.A. - VIA GIORGIONE 2-ZONA IND.LE - 31037 RAMON DI LORIA (TV)**

**è conforme all'allegato XXXIV del D.Lgs. 81/08 con riferimento alle norme UNI che disciplinano i principi contenuti nel decreto e riportate nella procedura interna Catas PG 44.**

*Il presente documento fa parte di un file in formato PDF sottoscritto con firma digitale da Franco Bullian.*

Il direttore  
Dott. Franco Bullian

12 Dicembre 2023

Report ID: 360594  
Date of sample receipt: 23/11/23  
Date of issue: 12/12/23

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

Sample name: Sedia ufficio TITAN

## SAMPLE N° 360594

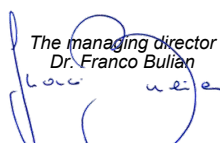
Overall dimensions: 790 x 790 x 1195 (h) mm

### List of test reports:

1. Information for use EN 1335-1:2020+A1:2022, clause 9
2. Information for use EN 1335-2:2018, clause 6
3. Work chairs: arm rests durability EN 1728:2012+AC:2013
4. Work chairs: arm rest downward static load test-central EN 1728:2012+AC:2013
5. Stability EN 1022:2018, clause 7.3
6. Work chairs: rolling resistance of unloaded chair EN 1728:2012+AC:2013



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*The managing director  
Dr. Franco Bulian*  


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## SAMPLE N° 360594

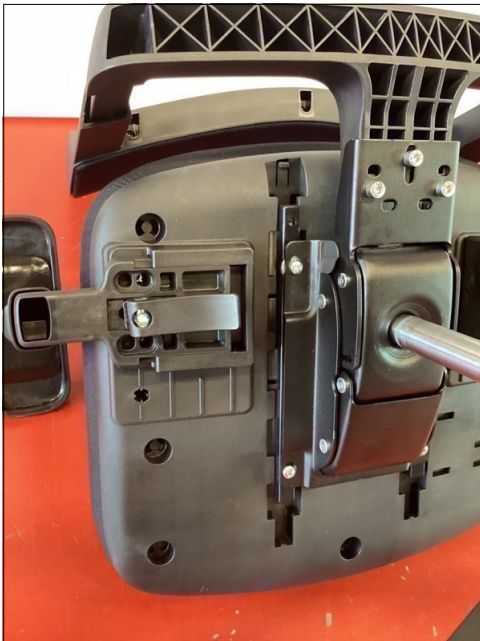
Date of issue: 12/12/23  
Sample weight: Not determined  
Sample name: Sedia ufficio TITAN



Side view



Rear view



Bottom view

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**TEST REPORT**

**360594 / 1**

Revision: 0  
Date of sample receipt: 23/11/23  
Date of test: 12/12/23  
Date of issue: 12/12/23



Sample name: Sedia ufficio TITAN

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

**Information for use EN 1335-1:2020+A1:2022, clause 9**

Statement checked	Remarks
Information for use in the language of the country in which the chair will be delivered to the end user (Valuated only English and Italian languages)	Present
a) The Type of chair (Type Ax, Type A, Type B or Type C).	Present
b) Information regarding the intended use.	Present
c) Instruction for operating the adjusting mechanisms.	Present
d) assembly instructions, where applicable.	Not applicable
e) Instruction for the care and the maintenance of the chair.	Present
f) Information on the choice of castors in relation to the floor surface.	Present

The test results comply with the requirements in clause 9 of EN 1335-1:2020+A1:2022.

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The managing director  
Dr. Franco Bulian

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**TEST REPORT**

**360594 / 2**

Revision: 0  
Date of sample receipt: 23/11/23  
Date of test: 12/12/23  
Date of issue: 12/12/23



Sample name: Sedia ufficio TITAN

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

**Information for use EN 1335-2:2018, clause 6**

Statement checked	Remarks
Information for use in the language of the country in which the chair will be delivered to the end user (Valuated only English and Italian languages)	Present
a) Information regarding the intended use.	Present
b) Information regarding possible adjustments	Present
c) Instruction for operating the adjusting mechanisms.	Present
d) Instruction for the care and the maintenance of the chair.	Present
e) Information for chairs with seat height adjustments with energy accumulators that only trained personnel may replace or repair seat height adjustment components with energy accumulators.	Present
f) Information on the choice of castors in relation to the floor surface.	Present

The test results comply with the requirements in clause 6 of EN 1335-2:2018

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**TEST REPORT**

**360594 / 3**

Revision: 0  
Date of sample receipt: 23/11/23  
Date of test: 04/12/23  
Date of issue: 12/12/23



Sample name: Sedia ufficio TITAN

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

**Work chairs: arm rests durability EN 1728:2012+AC:2013**

Test performed according to the test method EN 1728:2012+AC:2013, clauses 7.10 and in accordance to the test parameters of EN 1335-2:2018, table 2

Seat height: lowest position  
Seat inclination: horizontal  
Armrest positioning: highest and outermost

Test results:

Load on arm rest N	Number of cycles	Remarks
400	60.000	No defects

The test results comply with the requirements in clause 5.2 of standard EN 1335-2:2018

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*Dr. Franco Bulian*

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**TEST REPORT**

**360594 / 4**

Revision: 0  
Date of sample receipt: 23/11/23  
Date of test: 11/12/23  
Date of issue: 12/12/23



Sample name: Sedia ufficio TITAN

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

**Work chairs: arm rest downward static load test-central EN 1728:2012+AC:2013**

Test performed according to the test method EN 1728:2012+AC:2013, clauses 7.5 and in accordance to the test parameters of EN 1335-2:2018, table 2

Seat height: lowest position  
Seat inclination: horizontal  
Armrest positioning: highest and outermost

Test results:

Load on the arm rest N	Number of cycles	Remarks
750	5	See note
900	5	No defects

Note: after the functional load of 750 N the chair does not overbalance

The test results comply with the requirements in clause 5.2 of standard EN 1335-2:2018

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**TEST REPORT**

**360594 / 5**

Revision: 0  
Date of sample receipt: 23/11/23  
Date of test: 11/12/23  
Date of issue: 12/12/23



Sample name: Sedia ufficio TITAN

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

**Stability EN 1022:2018, clause 7.3**

Type of chair: tilting

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 : /  
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: 136 N : does not overturn

Tilting seating, clause 7.4.2 : does not overturn  
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 : /

*Note: The test has been carried out after the functional load on the arm rest.*

The test results comply with the requirements in clause 4.4 of standard EN 1335-2:2018

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The managing director  
Dr. Franco Bulian  
*(Handwritten signature)*

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**TEST REPORT**

**360594 / 6**

Revision: 0  
Date of sample receipt: 23/11/23  
Date of test: 11/12/23  
Date of issue: 12/12/23



Sample name: Sedia ufficio TITAN

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

**Work chairs: rolling resistance of unloaded chair EN 1728:2012+AC:2013**

Test performed according to the test method EN 1728:2012+AC:2013, clauses 6.30 and 7.14 and in accordance to the test parameters of EN 1335-2:2018, clause 5.3

Type of castors: W  
Test surface: steel floor  
Test speed: 50 mm/s  
Seat height: lowest position

Test results:

Measured resistance of castors N	Minimum allowed resistance N	Remarks
12,4*	12	No defects

Unless otherwise specified, measurement uncertainty expanded to a confidence level of about 95% are  $\pm 2,0$  N.

The by the expanded measurement uncertainty is stated as the combined standard measurement uncertainty multiplied by the coverage factor  $k=2$  such that the coverage probability corresponds to approximately a level of 95%. The expanded measurement uncertainty has been determined according to UNI CEI 70098-3:2016.

*\*The limit is included in the uncertainty interval associated with the measured value.*

The test results comply with the requirements in clause 5.2 of standard EN 1335-2:2018

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Dr. Franco Bulian  
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Sedia operativa per ufficio tipo A (EN 1335-1) su base girevole a cinque razze su ruote (con battistrada duro o morbido), per postazione con videoterminale. La sedia è dotata di apposito meccanismo posto sotto il sedile, il quale può attivare la colonna a gas per la regolazione dell'altezza, e regolare l'inclinazione dello schienale. Lo schienale ha la possibilità di essere regolato in altezza anche manualmente.

## **ISTRUZIONI D'USO:**

Al fine di garantire la stabilità e la durata nel tempo dell'articolo, si consiglia di:

- Prima dell'uso assicurarsi che l'articolo sia assemblato correttamente.
- Non rimuovere alcun componente della sedia manualmente o tramite l'utilizzo di utensili.
- Presenza di colonna a gas: solamente personale addestrato può procedere con la sua sostituzione e/o manutenzione.
- Se la sedia è prevista per uso a videoterminale, gli angoli tra piede e polpaccio, polpaccio e coscia, coscia e schiena, avambraccio e spalla devono essere di circa 90°.
- Non fare oscillare il prodotto durante l'utilizzo.
- Non sedersi sulla spalliera.
- Non salire con i piedi e/o con le ginocchia sulla sedia.
- Evitare il contatto con fonti di calore.
- Il prodotto non è adatto ad uso esterno, anche se coperto.
- La sedia va movimentata dallo schienale o dai braccioli.
- Per l'utilizzo della sedia su pavimenti in linoleum o ricoperti da moquette o tappeti si consiglia l'uso di ruote rigide; per pavimenti in pietra dura, legno o piastrelle si consiglia l'uso di ruote morbide.
- L'altezza del sedile e l'inclinazione dello schienale possono essere regolati usando l'apposito meccanismo posto sotto il sedile. Lo schienale può essere regolato in altezza anche manualmente.

## **CONSIGLI DI MANUTENZIONE:**

- I liquidi rovesciati devono essere assorbiti immediatamente con un panno pulito ed asciutto.
- Per le parti in plastica utilizzare sapone neutro.
- Per le parti in metallo non usare detergenti ma solo acqua.
- EVITARE TASSATIVAMENTE l'uso di solventi o di detergenti chimici, poiché potrebbero alterare le caratteristiche estetiche e fisiche dell'articolo.

## **USO PREVISTO:**

- Seduta per ufficio.
- Seduta per sale d'attesa.
- Seduta per sale conferenza.
- Seduta per sale riunioni.

# **TITAN**



Task chair for office type A (EN 1335-1) on swivel base with five wheels (with hard or soft tread), for workstation with VDT. The chair is equipped with a special mechanism placed under the seat, which can activate the gas column for height adjustment, and adjust the inclination of the backrest. The backrest can also be adjusted in height manually.

## **USE INSTRUCTIONS:**

In order to ensure the stability and durability of the article, it is recommended to:

- Before use make sure the item is assembled correctly.
- Do not remove any component of the chair manually or by using tools.
- Presence of gas column: only trained personnel can proceed with its replacement and / or maintenance.
- If the chair is intended for display screen use, the angles between foot and calf, calf and thigh, thigh and back, forearm and shoulder must be approximately 90 °.
- Do not swing the product during use.
- Do not sit on the backrest.
- Do not go up with your feet and / or knees on the chair.
- Avoid contact with heat sources.
- The product is not suitable for outdoor use, even if covered.
- The chair must be moved by the backrest or the armrests.
- To use the chair on linoleum floors or floors covered with carpet or rugs, we recommend the use of rigid wheels; for hard stone, wood or tile floors we recommend the use of soft wheels.
- The height of the seat and the inclination of the backrest can be adjusted using the special mechanism placed under the seat. The backrest can also be adjusted in height manually.

## **MAINTENANCE ADVICES:**

- Spilled liquids must be absorbed immediately with a clean, dry cloth.
- For the plastic parts use neutral soap.
- For metal parts do not use detergents but only water.
- STRICTLY AVOID the use of solvents or chemical detergents, as they could alter the aesthetic and physical characteristics of the item.

## **EXPECTED USE:**

- Office seat.
- Seating for waiting rooms.
- Seat for conference rooms.
- Sitting for meeting rooms.

## Attestazione di Conformità al Decreto Legislativo n° 81 del 09-04-2008 e successive integrazioni ed aggiornamenti **Attestazione n° 1801/2022**

Valutati i risultati ottenuti nelle prove secondo le norme:

UNI EN 1335-1 protocollo n° 322120-1/2022  
UNI EN 1335-2 protocollo n° 322120-2/2022  
UNI EN 1335-2 protocollo n° 322120-3/2022  
UNI EN 1728 protocollo n° 322120-4/2022  
UNI EN 1728 protocollo n° 322120-5/2022  
UNI EN 1728 protocollo n° 322120-6/2022  
UNI EN 1728 protocollo n° 322120-7/2022  
UNI EN 1022 protocollo n° 322120-8/2022  
UNI EN 1728 protocollo n° 322120-9/2022

Constatato che il campione esaminato é dotato di sedile regolabile in altezza, di schienale regolabile in altezza ed inclinazione e risponde alla tipologia B, con supporto lombare regolabile, della EN 1335-1:2020,

attestiamo che il campione denominato



**TITAN MESH CHAIR**  
della ditta  
**CERANTOLA S.P.A. - VIA GIORGIONE 2-ZONA IND.LE - 31037 RAMON DI LORIA (TV)**

**è conforme all'allegato XXXIV del D.Lgs. 81/08 con riferimento alle norme UNI che disciplinano i principi contenuti nel decreto e riportate nella procedura interna Catas PG 44.**

*Il presente documento fa parte di un file in formato PDF sottoscritto con firma digitale da Franco Bullian.*

Il direttore  
Dott. Franco Bullian

11 Febbraio 2022

# Declaration of conformity

n° 13021 / 2022

A According to the results of the following tests:

UNI EN 1335-1 test report n° 322120-1/2022  
UNI EN 1335-2 test report n° 322120-2/2022  
UNI EN 1335-2 test report n° 322120-3/2022  
UNI EN 1728 test report n° 322120-4/2022  
UNI EN 1728 test report n° 322120-5/2022  
UNI EN 1728 test report n° 322120-6/2022  
UNI EN 1728 test report n° 322120-7/2022  
UNI EN 1022 test report n° 322120-8/2022  
UNI EN 1728 test report n° 322120-9/2022

we hereby testify that:



TITAN MESH CHAIR  
of company

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

**complies with the dimensional requirements of type B of EN 1335-1:2020  
and with the safety requirements of EN 1335-2:2018  
verified according to EN 1728:2012+AC:2013**

*This document is part of a PDF file digitally signed by Franco Bulian.*

The managing director  
Dr. Franco Bulian

February 11th, 2022

Date of receipt: 23/12/21

Date of issue: 11/02/22

Report consists of 9 test reports.

Defects before testing: None

Sample name: TITAN MESH CHAIR

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

## SAMPLE N° 322120

Overall dimensions: 720 x 720 x 1190 (h) mm

### List of test reports:

1. Office work chair - Dimensions EN 1335-1:2020
2. General design requirements EN 1335-2:2018, clauses 4.1 - 4.2
3. Information for use EN 1335-2:2018, clause 6
4. Work chairs: seat and back static load test EN 1728:2012+AC:2013
5. Work chairs: seat and back durability EN 1728:2012+AC:2013
6. Work chairs: arm rests durability EN 1728:2012+AC:2013
7. Work chairs: arm rest downward static load test-central EN 1728:2012+AC:2013
8. Stability EN 1022:2018, clause 7.3
9. Work chairs: rolling resistance of unloaded chair EN 1728:2012+AC:2013



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*The managing director  
Dr. Franco Bulian*  
*luc ule*

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## SAMPLE N° 322120

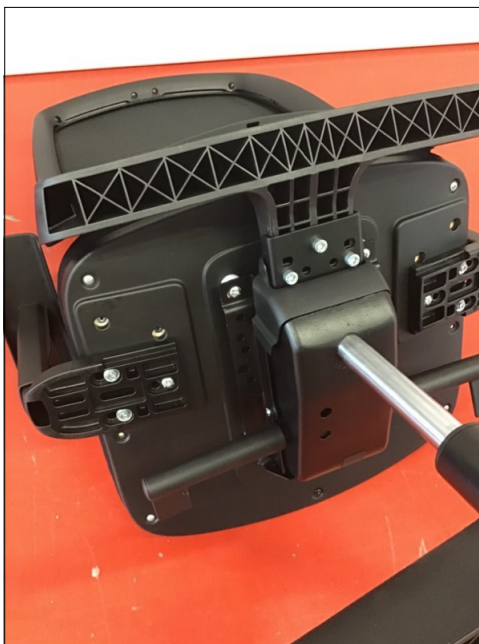
Date of issue: 11/02/22  
Sample weight: Not determined  
Sample name: TITAN MESH CHAIR



Side view



Rear view



Bottom view

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**TEST REPORT**

**322120 / 1**

Revision: 0  
Date of receipt: 23/12/21  
Date of test: 28/12/21  
Date of issue: 11/02/22



Sample name: TITAN MESH CHAIR

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

**Office work chair - Dimensions EN 1335-1:2020**

Method: ISO 24496:2017

**1. General features**

**1.1 Seat**

depht: x fixed  
- adjustable with horizontal movement  
inclination: - fixed  
x adjustable

**1.2 Backrest**

height: - fixed  
x adjustable  
x adjustable lumbar support (height)  
- adjustable lumbar support (protrusion)  
inclination: - fixed  
x adjustable

**1.3 Seat and back synchronized** yes

**1.4 Armrests**

height: - fixed  
x adjustable  
depth: x fixed  
- adjustable  
clear distance: x fixed  
- adjustable  
rotation: no

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*The managing director  
Dr. Franco Bulian*

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TEST REPORT **322120 / 1 rev. 0**  
Date of issue: 11/02/22  
Sample name: TITAN MESH CHAIR

### Test Results

All linear dimensions are in mm

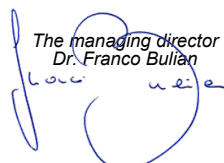
#### Type of chair: B

symbol	parameter	requirement	measured	conf.
<b>SEAT</b>				
a	seat height and sitting height	420 to 510	411 to 541	yes
	adjustment range	100 min	130	yes
b	seat depth adjustable	425 to 445	/	/
	adjustment range	50 min	/	/
	seat depth not adjustable	within 425 and 485	440*	yes
c	seat pad depth	380 min	442	yes
d	seat pad width	400 min	493	yes
e	seat pad angle - adjustable	-2°	-8° to 0°	yes
	adjustment range	5°	8°	yes
	seat pad angle - not adjustable	+ 2° ÷ - 5°	/	/
<b>BACK REST</b>				
f	minimum and maximum lumbar support		150 to 300	
	difference (fmax - fmin) within 170 mm and 300 mm	50 min	130 of 150	yes
	range of the backrest / lumbar support	50 min	85	yes
	height of lumbar support - not adjustable	within 170 and 300	/	/
h	backrest height	360 min	628	yes
j	backrest width	360 min	480	yes
k	horizontal radius of the back rest	400 min	> 400	yes
l	back rest inclination (adjustment range)	15° min	27°	yes
y	angle between seat and back	90° min	113°	yes
<b>ARM REST</b>				
n	length of arm rest	150 min	250	yes
o	width of arm rest	40 min	76	yes
p	height of armrest - adjustable	225 to 250	205 to 290	yes
	adjustment range	50 min	85	yes
	height of armrest - not adjustable	within 225 and 275	/	/
q	distance from the backrest to the front of the armrests	350 max	320*	yes
r	hip breadth clearance with armrests in widest position	460 min	566	yes
z	Clear distance between the armrests pads - adjustable	460 to 510	/	/
	Clear distance between the armrests pads - not adjust.	within 460 and 510	510*	yes
<b>UNDERFRAME</b>				
s	maximum offset of the underframe	415 max	379	yes
	foot support	Ø > 20 mm or flat	/	/

\* The limit is included in the uncertainty interval associated with the measured value (see table 1 on page 3/3).

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Dr. Franco Bulian



TEST REPORT

322120 / 1 rev. 0

Date of issue:

11/02/22

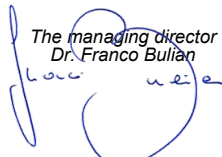
Sample name:

TITAN MESH CHAIR

Table 1, ISO 24496:2017

symbol	Parameter	Uncertain at 95% confidence level (k=2)
<b>SEAT</b>		
a	seat height and sitting height	$\pm 8 \text{ mm (seat)} \pm 15 \text{ mm (sitting)}$
b	seat depth	$\pm 25 \text{ mm}$
c	seat pad depth	$\pm 25 \text{ mm}$
d	seat pad width	$\pm 10 \text{ mm}$
e	seat angle	$\pm 2^\circ$
<b>BACK REST</b>		
f	height of lumbar support	$\pm 25 \text{ mm}$
h	backrest height	$\pm 15 \text{ mm}$
j	backrest width	$\pm 10 \text{ mm}$
k	horizontal radius of the back rest	Not applicable
l	back rest inclination	$\pm 4^\circ$
y	angle between seat and back	$\pm 4^\circ$
<b>ARM REST</b>		
n	length of arm rest	$\pm 5 \text{ mm}$
o	width of arm rest	$\pm 5 \text{ mm}$
p	height of armrest	$\pm 10 \text{ mm}$
q	distance from the backrest to the front of the armrests	$\pm 40 \text{ mm}$
r	hip breadth clearance with armrests in widest position	$\pm 20 \text{ mm}$
z	Clear distance between the armrests pads	$\pm 60 \text{ mm}$
<b>UNDERFRAME</b>		
s	maximum offset of the underframe	$\pm 8 \text{ mm}$

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**TEST REPORT**

**322120 / 2**

Revision: 0  
Date of receipt: 23/12/21  
Date of test: 28/12/21  
Date of issue: 11/02/22



Sample name: TITAN MESH CHAIR

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

**General design requirements EN 1335-2:2018, clauses 4.1 - 4.2**

Requirements	Remarks
<b>Clause 4.1</b>	
a) Edges of seat, back rest and arm rests in contact by the user are rounded $\geq 2$ mm	Yes
b) Edges of handles are rounded or chamfered in the direction of the force applied	Yes
c) All other edges and corner are free from burrs and rounded or chamfered	Yes
d) Ends of accessible hollow components are closed or capped	Hollow components not present
It shall not be possible for any load bearing part to come loose unintentionally	Yes
<b>Clause 4.2</b>	
Absence of shear and squeeze points, created by parts operated by powered mechanism.	Yes
Absence of shear and squeeze points, created by loads applied during normal use.	Yes

The test results comply with the requirements in clauses 4.1 and 4.2 of EN 1335-2:2018

Note: evaluation of accessible parts has been carried out according to CEN TR 17202:2018, clause 6.

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**TEST REPORT**

**322120 / 3**

Revision: 0  
Date of receipt: 23/12/21  
Date of test: 11/02/22  
Date of issue: 11/02/22



Sample name: TITAN MESH CHAIR

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

**Information for use EN 1335-2:2018, clause 6**

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
a) Information regarding the intended use.	Present
b) Information regarding possible adjustments	Present
c) Instruction for operating the adjusting mechanisms.	Present
d) Instruction for the care and the maintenance of the chair.	Present
e) Information for chairs with seat height adjustments with energy accumulators that only trained personnel may replace or repair seat height adjustment components with energy accumulators.	Present
f) Information on the choice of castors in relation to the floor surface.	Present

The test results comply with the requirements in clause 6 of EN 1335-2:2018

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**TEST REPORT**

**322120 / 4**

Revision: 0  
Date of receipt: 23/12/21  
Date of test: 12/01/22  
Date of issue: 11/02/22



Sample name: TITAN MESH CHAIR

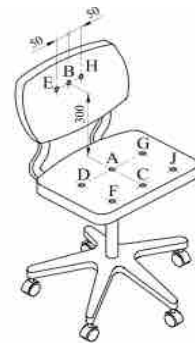
CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
31037 RAMON DI LORIA (TV)  
ITALIA

**Work chairs: seat and back static load test EN 1728:2012+AC:2013**

**Test performed according to EN 1335-2:2018**

**Seat and back static load test, clause 7.3 of EN 1728:2012+AC:2013**

Seat height: highest position  
Seat inclination: horizontal  
Back rest in height: highest position  
Seat in depth: /  
Position of castors: perpendicular to the base arms  
Tension of mechanism spring: medium



Test results:

Seat load N	Back force N	Number of cycles	Loading point	Back rest inclination mechanism	Remarks
1.600	560	5	A - B	Blocked	No defects
1.600	560	5	A - B	Unlocked	No defects

**Seat front edge static load, clause 7.4 of EN 1728:2012+AC:2013**

Seat height: highest position  
Seat depth: /

Test results:

Seat load N	Number of cycles	Loading point	Remarks
1.600	10	F	No defects

The test results comply with the requirements in clause 5.2 of EN 1335-2:2018

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**TEST REPORT**  
**322120 / 5**

Revision: 0  
Date of receipt: 23/12/21  
Date of test: 12/01/22  
Date of issue: 11/02/22



Sample name: TITAN MESH CHAIR

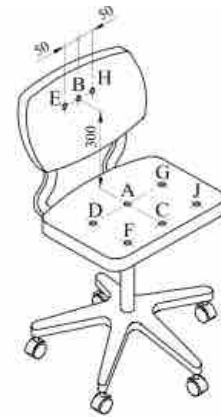
CERANTOLA S.P.A.  
VIA GIORGIONE 2-ZONA IND.LE  
31037 RAMON DI LORIA (TV)  
ITALIA

**Work chairs: seat and back durability EN 1728:2012+AC:2013**

**Test performed according to EN 1335-2:2018**

Seat and back durability clause 7.9 of EN 1728:2012+AC:2013

Seat height: highest position  
Seat inclination: horizontal  
Back rest in height: highest position  
Seat in depth: /  
Position of castors: perpendicular to the base arms  
Tension of mechanism spring: medium



Test results:

Number of cycles	Loading point	Force N	Back rest inclination mechanism	Remarks
120.000	A	1.500	Unlocked	No defects
40.000	C B	1200 320	Locked	No defects
40.000	C B	1200 320	Unlocked	No defects
20.000	J E	1200 320	Unlocked	No defects
20.000	F H	1200 320	Unlocked	No defects
20.000	D G	1100 1100	Unlocked	No defects

The test results comply with the requirements in clause 5.2 of EN 1335-2:2018

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**TEST REPORT**

**322120 / 6**

Revision: 0  
Date of receipt: 23/12/21  
Date of test: 07/02/22  
Date of issue: 11/02/22



Sample name: TITAN MESH CHAIR

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

**Work chairs: arm rests durability EN 1728:2012+AC:2013**

**Test performed according to EN 1335-2:2018**

Arm rest durability, clause 7.10 of EN 1728:2012+AC:2013

Seat height: lowest position  
Seat inclination: horizontal  
Armrest positioning: highest

Test results:

Load on arm rest N	Number of cycles	Remarks
400	60.000	No defects

The test results comply with the requirements in clause 5.2 of EN 1335-2:2018

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**TEST REPORT**

**322120 / 7**

Revision: 0  
Date of receipt: 23/12/21  
Date of test: 10/02/22  
Date of issue: 11/02/22



Sample name: TITAN MESH CHAIR

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

**Work chairs: arm rest downward static load test-central EN 1728:2012+AC:2013**

**Test performed according to EN 1335-2:2018**

Arm rest downward static load test - central, clause 7.5 of EN 1728:2012+AC:2013

Seat height: lowest position  
Seat inclination: horizontal  
Armrest positioning: highest

Test results:

Load on the arm rest N	Number of cycles	Remarks
750	5	See note
900	5	No defects

Note: after the functional load of 750 N the chair does not overbalance.

The test results comply with the requirements in clause 5.2 of EN 1335-2:2018

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**TEST REPORT**

**322120 / 8**

Revision: 0  
Date of receipt: 23/12/21  
Date of test: 10/02/22  
Date of issue: 11/02/22



Sample name: TITAN MESH CHAIR

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

**Stability EN 1022:2018, clause 7.3**

Type of chair: tilting

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 : /

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: 127 N : does not overturn

Tilting seating, clause 7.4.2 : does not overturn

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 : /

Note: The test has been carried out after the functional load on the arm rest.

The test results comply with the requirements in clause 4.4 of EN 1335-2:2018.

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**TEST REPORT**

**322120 / 9**

Revision: 0  
Date of receipt: 23/12/21  
Date of test: 10/02/22  
Date of issue: 11/02/22



Sample name: TITAN MESH CHAIR

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

**Work chairs: rolling resistance of unloaded chair EN 1728:2012+AC:2013**

**Test performed according to EN 1335-2:2018**

Rolling resistance of unloaded chair, clauses 6.30 and 7.14 of EN 1728:2012+AC:2013

Type of castors: H  
Test surface: steel floor  
Test speed: 50 mm/s  
Seat height: lowest position

Test results:

Measured resistance of castors N	Minimum allowed resistance N	Remarks
20	12	No defects

Unless otherwise specified, measurement uncertainty expanded to a confidence level of about 95% are  $\pm 2,0$  N.

The measurement uncertainties stated in this document have been determined according to UNI CEI ENV 13005:2000. They were estimated as expanded uncertainty obtained multiplying the standard uncertainty by the coverage factor k corresponding to a confidence level of about 95%. Normally k=2.

The test results comply with the requirements in clause 5.2 of EN 1335-2:2018

The limit is included in the uncertainty interval associated with the measured value.

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# **TITAN**



Task chair for office on swivel base with five wheels (with hard or soft tread), for workstation with VDT. The chair is equipped with a special mechanism placed under the seat, which can activate the gas column for height adjustment, and adjust the inclination of the backrest. The backrest can also be adjusted in height manually.

## **USE INSTRUCTIONS:**

In order to ensure the stability and durability of the article, it is recommended to:

- Before use make sure the item is assembled correctly.
- Do not remove any component of the chair manually or by using tools.
- Presence of gas column: only trained personnel can proceed with its replacement and / or maintenance.
- If the chair is intended for display screen use, the angles between foot and calf, calf and thigh, thigh and back, forearm and shoulder must be approximately 90 °.
- Do not swing the product during use.
- Do not sit on the backrest.
- Do not go up with your feet and / or knees on the chair.
- Avoid contact with heat sources.
- The product is not suitable for outdoor use, even if covered.
- The chair must be moved by the backrest or the armrests.
- To use the chair on linoleum floors or floors covered with carpet or rugs, we recommend the use of rigid wheels; for hard stone, wood or tile floors we recommend the use of soft wheels.
- The height of the seat and the inclination of the backrest can be adjusted using the special mechanism placed under the seat. The backrest can also be adjusted in height manually.

## **MAINTENANCE ADVICES:**

- Spilled liquids must be absorbed immediately with a clean, dry cloth.
- For the plastic parts use neutral soap.
- For metal parts do not use detergents but only water.
- STRICTLY AVOID the use of solvents or chemical detergents, as they could alter the aesthetic and physical characteristics of the item.

## **EXPECTED USE:**

- Office seat.
- Seating for waiting rooms.
- Seat for conference rooms.
- Sitting for meeting rooms.

Sedia operativa per ufficio su base girevole a cinque razze su ruote (con battistrada duro o morbido), per postazione con videoterminale. La sedia è dotata di apposito meccanismo posto sotto il sedile, il quale può attivare la colonna a gas per la regolazione dell'altezza, e regolare l'inclinazione dello schienale. Lo schienale ha la possibilità di essere regolato in altezza anche manualmente.

## **ISTRUZIONI D'USO:**

Al fine di garantire la stabilità e la durata nel tempo dell'articolo, si consiglia di:

- Prima dell'uso assicurarsi che l'articolo sia assemblato correttamente.
- Non rimuovere alcun componente della sedia manualmente o tramite l'utilizzo di utensili.
- Presenza di colonna a gas: solamente personale addestrato può procedere con la sua sostituzione e/o manutenzione.
- Se la sedia è prevista per uso a videoterminale, gli angoli tra piede e polpaccio, polpaccio e coscia, coscia e schiena, avambraccio e spalla devono essere di circa 90°.
- Non fare oscillare il prodotto durante l'utilizzo.
- Non sedersi sulla spalliera.
- Non salire con i piedi e/o con le ginocchia sulla sedia.
- Evitare il contatto con fonti di calore.
- Il prodotto non è adatto ad uso esterno, anche se coperto.
- La sedia va movimentata dallo schienale o dai braccioli.
- Per l'utilizzo della sedia su pavimenti in linoleum o ricoperti da moquette o tappeti si consiglia l'uso di ruote rigide; per pavimenti in pietra dura, legno o piastrelle si consiglia l'uso di ruote morbide.
- L'altezza del sedile e l'inclinazione dello schienale possono essere regolati usando l'apposito meccanismo posto sotto il sedile. Lo schienale può essere regolato in altezza anche manualmente.

## **CONSIGLI DI MANUTENZIONE:**

- I liquidi rovesciati devono essere assorbiti immediatamente con un panno pulito ed asciutto.
- Per le parti in plastica utilizzare sapone neutro.
- Per le parti in metallo non usare detersivi ma solo acqua.
- EVITARE TASSATIVAMENTE l'uso di solventi o di detersivi chimici, poiché potrebbero alterare le caratteristiche estetiche e fisiche dell'articolo.

## **USO PREVISTO:**

- Seduta per ufficio.
- Seduta per sale d'attesa.
- Seduta per sale conferenza.
- Seduta per sale riunioni.