

Declaration of conformity

n° 10822 / 2012

According to the results of the following tests:

EN 1335-1 test report n°132668-1/2011
EN 1335-2 test report n°132668-2/2011
EN 1335-2 test report n°136385-1/2012
EN 1335-3 test report n°136385-2/2012
EN 1335-3 test report n°136385-3/2012
EN 1335-3 test report n°136385-4/2012
EN 1335-3 test report n°136385-5/2012
EN 1335-3 test report n°136385-6/2012
EN 1335-3 test report n°136385-7/2012

we hereby testify that



SEDIA ZOE EVOLVE

of company
BRADO S.P.A. – VIA CAL DI MEZZO 3 – 31030 BIGOLINO DI VALDOBBIADENE (TV)

**complies with the dimensional requirements of type B of EN 1335-1:2000
and with the safety requirements of EN 1335-2:2009
verified according to EN 1335-3:2009**

*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.*


Il Direttore
dott. Andrea Giavon

March 9th, 2012

Sample name is declared by the company who asked for the test. This report relates to the samples submitted for the test and no others. Additions, deletions or alterations are not permitted.

TEST REPORT N° 132668

Date of issue: 18-10-11
Sample weight: Not determined
Sample name: Sedia ZOE EVOLVE



Side view



Rear view



Bottom view

TEST REPORT**132668 / 1**

Date received: 09-09-11

Date of test: 06-10-11

Date of issue: 18-10-11

Sample name: Sedia ZOE EVOLVE

BRADO S.P.A.
VIA CAL DI MEZZO 3
31030 BIGOLINO DI VALDOBBIADENE (TV)
ITALIA**Office work chair: dimensions EN 1335-1:2000 AC:2002****1. General features****1.1 Seat**

adjustable with
depht: - horizontal movement
adjustable with
X backrest inclination
- fixed

inclination: - fixed
X adjustable

1.2 Backrest

heigth: X fixed
- adjustable
X adjustable lumbar support

inclination: - fixed
X adjustable

1.3 Seat and back synchronized

Yes

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Managing Director
Dr. Andrea Giavon

TEST REPORT **132668 / 1**
Date of issue: 18/10/11
Sample name: Sedia ZOE EVOLVE

Type of chair: B

Test Results:

All linear dimensions are in mm

symbol	Parameter	requirement	measured	conformity
SEAT				
a	seat height	420 to 510	413 to 518	yes
	adjustment range	100 min	105	yes
b	seat depth - non adjustable	380 ÷ 440	//	//
	seat depth - adjustable	400 to 420	386 to 477	yes
	adjustment range	50 min	91	yes
c	depth of seat surface	380 min	443	yes
d	seat width	400 min	465	yes
e	inclination of seat surface - non adjustable	-2° ÷ - 7°	//	//
	inclination of seat surface - adjustable	-2° to - 7°	- 1,0° ± 0,6° * to - 14°	yes
BACK REST				
f	height of the back supporting point "S" non adjust	170 ÷ 220	//	//
	height of the back supporting point "S" adjust.	170 to 220	167,4 ± 0,7 * to 226,4 ± 0,7 *	yes
	adjustment range	50 min	59	yes
g	height of the back pad - adjustable in height	220 min	//	//
	height of the back pad - non adjustable in height	260 min	604	yes
h	height of the upper edge of the back rest	360 min	632	yes
i	back rest width	360 min	478	yes
k	horizontal radius of the back rest	400 min	> 400	yes
l	back rest inclination (adjustment range)	15° min	23°	yes
ARM REST				
n	length of arm rest	200 min	> 200	yes
o	width of arm rest	40 min	> 40	yes
p	height of armrest - adjustable	200 to 250	193 to 269	yes
	height of armrest - non adjustable	200 ÷ 250	//	//
q	distance from the front of the arm rest to the front edge of the seat	100 min	121	yes
r	clear width between the arm rests	460 ÷ 510	461,3 ± 0,7 *	yes
UNDERFRAME				
s	maximum offset of the underframe	415 max	269	yes
t	stability dimension	195 min	241	yes

*The result is the average of 3 measures

Unless otherwise specified, measurement uncertainties expanded to a confidence level of about 95% are ±5 mm for linear measures, ±2° for angles, ±10mm for the height of the back supporting point "S".

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.

TEST REPORT

132668 / 2

Date received: 09-09-11

Date of test: 06-10-11

Date of issue: 18-10-11

Sample name: Sedia ZOE EVOLVE



BRADO S.P.A.
VIA CAL DI MEZZO 3
31030 BIGOLINO DI VALDOBBIADENE (TV)
ITALIA

General design requirements EN 1335-2:2009, clause 4.1

Requirements	Remarks
a) Parts in contact by user: Distance of accessible movable parts shall be either ≤ 8 mm e ≥ 25 mm in any position during movement.	Yes
b) Corners and edges in contact by user: Minimum radius of corners and edges: 2 mm	Yes
c) Edges of handles: Minimum radius of handle edges: 2 mm	Yes
d) All other edges: Rounded or chamfered:	Yes
e) Ends of hollow components: Closed or capped	Yes
f) It shall be possible to operate the adjusting devices from sitting position in the chair:	Yes
g) It shall not be possible for any load bearing part to come loose unintentionally:	Yes
h) Lubricated parts: All parts which are lubricated shall be protected	Yes

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Managing Director
Dr. Andrea Giavon

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TEST REPORT

136385 / 1

Date received: 23-01-12
Date of test: 05-03-12
Date of issue: 09-03-12



Sample name: SEDIA ZOE EVOLVE

BRADO S.P.A.
VIA CAL DI MEZZO 3
31030 BIGOLINO DI VALDOBBIADENE (TV)
ITALIA

Information for use EN 1335-2:2009, clause 5

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.	Present
Information regarding possible adjustments and chair type	Present
Instruction for operating the adjusting mechanisms.	Present
Instruction for the care and the maintenance of the chair.	Present
Information regarding adjustment of the seat and back rest.	Present
Advice that only trained personnel may replace or repair seat height adjustment components with energy accumulators.	Present
Information on the choice of castors in relation to the floor surface.	Present

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Managing Director
Dr. Andrea Gialoni

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TEST REPORT

136385 / 2

Date received: 23-01-12
Date of test: 25-01-12
Date of issue: 09-03-12



Sample name: SEDIA ZOE EVOLVE

BRADO S.P.A.
VIA CAL DI MEZZO 3
31030 BIGOLINO DI VALDOBBIADENE (TV)
ITALIA

Seat and back static load test 1335-3:2009 AC:2009, clause 7.2.1-7.2.2

Seat front edge static load, clause 7.2.1

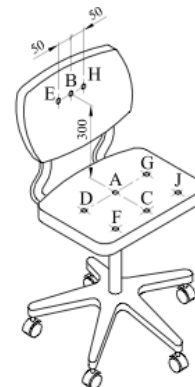
Seat height: highest position
Seat depth: foremost position

Test results:

Seat load N	Number of cycles	Back rest inclination mechanism	Remarks
1.600	10	F	No defects

Seat and back static load test, clause 7.2.2

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



Test results:

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

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Managing Director
Dr. Andrea Giavon

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TEST REPORT

136385 / 3

Date received: 23-01-12
Date of test: 25-01-12
Date of issue: 09-03-12



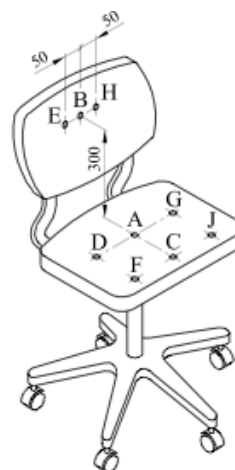
Sample name: SEDIA ZOE EVOLVE

BRADO S.P.A.
VIA CAL DI MEZZO 3
31030 BIGOLINO DI VALDOBBIADENE (TV)
ITALIA

Seat and back durability - EN 1335-3:2009 AC:2009 - Clause 7.3.1

Seat and back durability clause 7.3.1

Seat height: highest position
Seat inclination: horizontal
Back rest in height: highest position
Back rest in depth: rearmost position
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	Blocked	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

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Managing Director
Dr. Andrea Giavon

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TEST REPORT

136385 / 4

Date received: 23-01-12
Date of test: 17-02-12
Date of issue: 09-03-12



Sample name: SEDIA ZOE EVOLVE

BRADO S.P.A.
VIA CAL DI MEZZO 3
31030 BIGOLINO DI VALDOBBIADENE (TV)
ITALIA

Arm rests durability EN 1335-3:2009 AC:2009, clause 7.3.2

Arm rest durability, clause 7.3.2

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

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Managing Director
Dr. Andrea Giaron

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TEST REPORT

136385 / 5

Date received: 23-01-12
Date of test: 27-02-12
Date of issue: 09-03-12



Sample name: SEDIA ZOE EVOLVE

BRADO S.P.A.
VIA CAL DI MEZZO 3
31030 BIGOLINO DI VALDOBBIADENE (TV)
ITALIA

Arm rest downward static load test-central EN 1335-3:2009 AC:2009, clause 7.2.3

Arm rest downward static load test - central, clause 7.2.3

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

Test results:

Load on the arm rest	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.

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Managing Director
Dr. Andrea Giavon

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TEST REPORT

136385 / 6

Date received: 23-01-12
Date of test: 27-02-12
Date of issue: 09-03-12



Sample name: SEDIA ZOE EVOLVE

BRADO S.P.A.
VIA CAL DI MEZZO 3
31030 BIGOLINO DI VALDOBBIADENE (TV)
ITALIA

Stability EN 1335-3:2009 AC:2009, clause 7.1

Minimum horizontal force for rearwards overturning of fixed back chair: 192 N

Chairs with back rest inclination: no overturning with 13 discs of 10 Kg.

Positioning of chair components: as specified in Table 1 of EN 1335-3

Forwards overturning

Horizontal force : 20 N does not overturn

Front edge overturning

Horizontal force : 27 kg does not overturn

Rearwards overturning

Fixed back chair

Horizontal force : //

Chair with back rest inclination

Loading discs on the seat : 13 does not overturn

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 : //

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

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Marketing Director
Dr. Andrea Giavon

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TEST REPORT

136385 / 7

Date received: 23-01-12
Date of test: 27-02-12
Date of issue: 09-03-12



Sample name: SEDIA ZOE EVOLVE

BRADO S.P.A.
VIA CAL DI MEZZO 3
31030 BIGOLINO DI VALDOBBIADENE (TV)
ITALIA

Rolling resistance of unloaded chair EN 1335-3:2009 AC:2009, clause 7.4

Rolling resistance of unloaded chair, clause 7.4

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
23,5	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.

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Managing Director
Dr. Andrea Giavon

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