



TECHNICAL DATASHEET FLEXA

Characteristics:

The Flexa is enveloping, it adapts to you. It is versatile, dynamic, contemporary, strong, and flexible. Accurate and comfortable, it is active ergonomics. The Flexa provides the most immersive feel and absolute comfort, thanks to high-density foam injected into an operational chair of timeless design.

With 4D arm movement, synchronised and synchronised-shifter mechanisms, lumbar adjustment, and telescopic controls levers, the Flexa makes a suitable choice for users looking for a diverse, anthropometric chair.

Summary of materials for the high chair:

Backrest: Backrest exterior is 100% recyclable, plastic injection black polypropylene, with 4 mm thick metal inserts. Backrest interior is made from fire retardant, high-density (60 kg/m³) expanded polyurethane foam. With adjustable height and lumbar support.

Headrest (Option for the high chair only): Headrest exterior is 100% recyclable black polypropylene. Headrest is fire retardant, high-density (60 kg/m³) polyurethane expanded foam. Adjustable height and tilt.

Seat: Interior made from beech plywood, covered with fire retardant, high-density (60 kg/m³) polyurethane foam.

Mechanism: Synchro sliding system / Synchro / Syncro self-weighting mechanism.

Arms (Optional): (BR01) Fixed, nylon injection / (BR02) 100% recyclable plastic injection polypropylene, black in colour. Adjustable in height / (BR03) 3D multi-position, in black injected polypropylene. Armrest in black injected polyurethane / (BR04) 4D, in black injected polypropylene. Armrest in polyurethane / (BR06) Adjustable in height, in black injected polypropylene. Armrest in polyamide / (BR09) 4D, 100% recyclable, injected black polypropylene, adjustable in height and width. Armrests rotate and are adjustable in depth. Armrest made of polyurethane / (BR10) 2D, 100% recyclable, injected black polypropylene, adjustable in height and width. Armrest made of polyurethane.

The BR09 and BR10 arms can only be used when the self-weighting mechanism is included.

Gas lift column: Gas lift column chromed or black, depending on base.

Bases: Polished aluminium, 70 cm diameter, or nylon, 68 cm diameter.

Wheels: Double Emilsider wheels, 65 mm diameter with chromed or black trim, depending on base.

Optional: Chromed steel or black nylon non-slip gliders, depending on base.

Summary of materials for stool:

Backrest/Headrest (Optional)/Seat/Mechanism/Arms (Optional)/Base/wheels: Same as high chair model.

Gas lift column: Chromed or black gas lift column, with chromed steel or nylon footrest, depending on base, adjustable in height.



Summary of materials - cantilever:

Backrest/Seat: Same as revolving model.

Frame: Round steel tube, 25 mm in diameter, chromed, with optional fixed nylon arms (BR01).

Summary of upholstery

Fabric: See upholstery sheet.

Fabric bonded with solvent free water based adhesive (polychloroprene base polymer resins).

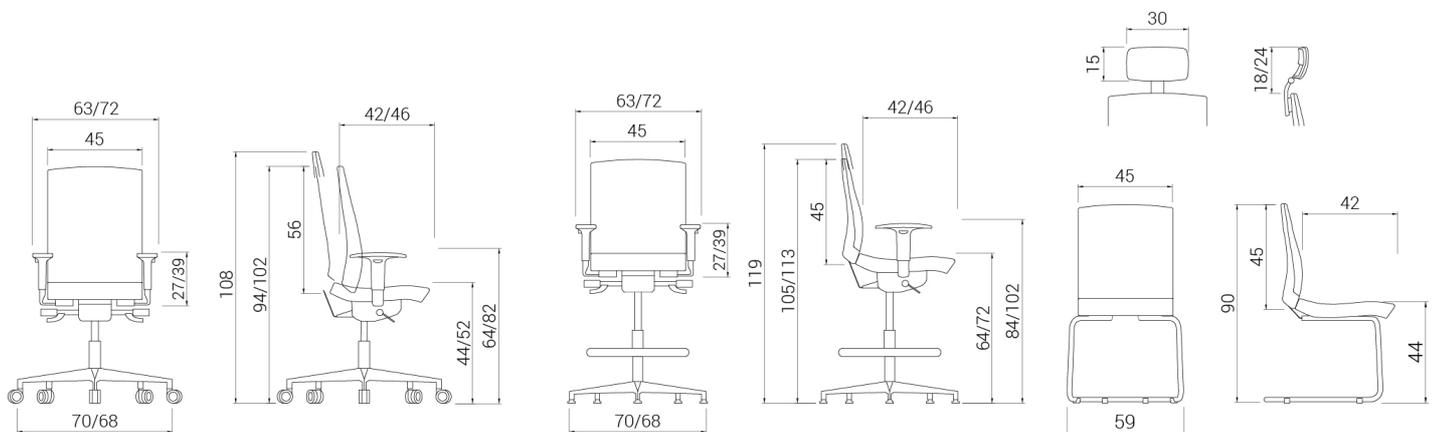
List of certificates and standards:

UNE EN 1335/1 parte 1
 UNE EN 1335/1 parte 7.2.1
 UNE EN 1335/1 parte 7.2.4
 UNE EN 1335/1 parte 7.3.2
 UNE EN 1335/1 parte 7.4
 EN ISO 845
 UNI 9084/02
 ANSI-BIFMA X5.1-2011/17

UNE EN 1335/1 parte 4
 UNE EN 1335/1 parte 7.2.2
 UNE EN 1335/1 parte 7.2.5
 UNE EN 1335/1 parte 7.3.3
 UNE EN 1021-2/06
 EN 1335 9.1
 ANSI-BIFMA X5.1-2011/7

UNE EN 1335/1 parte 7.1
 UNE EN 1335/1 parte 7.2.3
 UNE EN 1335/1 parte 7.3.1
 UNE EN 1335/1 parte 7.3.5
 BS-5852/06
 EN 1335 9.2.1
 ANSI-BIFMA X5.1-1993/18

Dimensions:





TECHNICAL DATA DESCRIPTION

The Flexa has passed the following tests:

UNE EN 1335/1 part 1	Dimensional requirements.
UNE EN 1335/1 part 4	General design requirements.
UNE EN 1335/1 part 7.1	Stability test.
UNE EN 1335/1 part 7.2.1	Static load on front edge of seat.
UNE EN 1335/1 part 7.2.2	Static load on combined seat and backrest.
UNE EN 1335/1 part 7.2.3	Static vertical load on arms.
UNE EN 1335/1 part 7.2.4	Static vertical load on front of arms.
UNE EN 1335/1 part 7.2.5	Static lateral load on arms.
UNE EN 1335/1 part 7.3.1	Durability of seat and backrest.
UNE EN 1335/1 part 7.3.2	Durability of armrests.
UNE EN 1335/1 part 7.3.3	Steering test.
UNE EN 1335/1 part 7.3.5	Durability of wheels and base.
UNE EN 1335/1 part 7.4	Rolling resistance of empty chair.

Backrest:

Backrest exterior is 100% recyclable, plastic injection black polypropylene. Backrest interior is made from fire retardant (UNE EN 1021-2/06 / BS-5852/06), high-density (60 kg/m³) (EN ISO 845) expanded polyurethane foam.



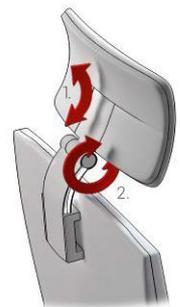
Adjustable lumbar support.



Headrest (Optional):

Headrest exterior is 100% recyclable black polypropylene. Headrest is fire retardant (UNE EN 1021-2/06 / BS-5852/06), high-density (60 kg/m³) (EN ISO 845) polyurethane expanded foam.

1. Adjustable height.
2. Adjustable tilt.



Seat:

Interior made from beech plywood (MQ cert. 07-175), covered with fire retardant (UNE EN 1021-2/06 / BS-5852/06), high-density (60 kg/m³) (EN ISO 845) polyurethane foam.





Mechanisms:

- Synchro sliding system:

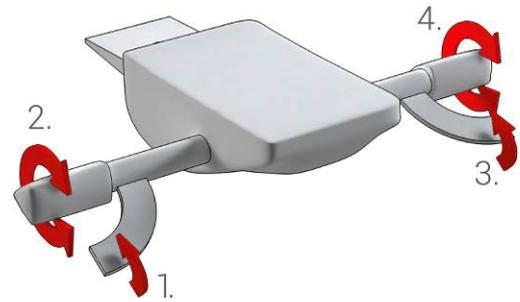
The synchro sliding system executes a synchronized tilting movement of the seat and backrest about the central axis of the chair, but this is done independently on non single-shell models. That is, the degree of backrest and seat tilt can be adjusted together.

It also has a seat shifter with 5 different positions to adjust the depth of the seated position with travel of 7 cm.

It has the following characteristics:

- 5 locking positions with non-return function.
- Tension regulator.

1. Gas lift.
2. Adjustment of the backrest tension according to the weight of the user.
3. Adjustment of the seat slide.
4. Adjustment of the seat/backrest tilt (ratio 1:2).



- 5-Position synchro mechanism:

The mechanism executes a synchronized tilting movement of the seat and backrest about the central axis of the chair, but does this independently on non single-shell models. It adjusts the degree of inclination of the seat and back together.

It has the following characteristics:

- 5 locking positions with non-return function.
- Tension regulator.

1. Gas lift.
2. Adjust the backrest tension according to the weight of the user.
3. Adjust to tilt the seat / backrest (ratio 1:2).



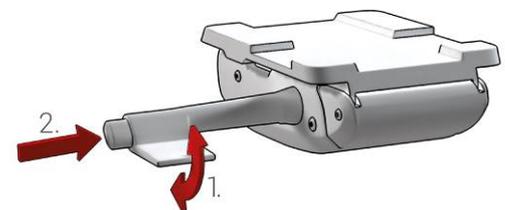
- Synchro self-weighting mechanism:

The synchro mechanism executes a synchronized tilting movement of the seat and backrest about the central axis of the chair. That is, we can adjust the degree of backrest and seat tilt together.

It has the following characteristics:

- Up to 20 ° backrest tilt, with 5 locking positions with by using the button.
- Up to 6° seat tilt, with 0° being the working position.
- Auto-weight function from 65 to 150 kg.

1. Gas lift.
2. Pressing the lever releases the seat and the backrest.





Arms (Optional):

The BR09 and BR10 arms have passed the following tests:

EN1335-3/09 AC:2009 par. 7.2.3
 EN1335-3/09 AC:2009 par. 7.2.5
 ANSI BIFMA X5.1-2011/13
 ANSI BIFMA X5.1-2011/21
 1907/2006/EC

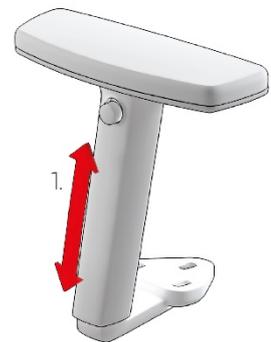
EN1335-3/09 AC:2009 par. 7.2.4
 EN1335-3/00 AC:2009 par. 7.3.2
 ANSI BIFMA X5.1-2011/14
 ZEK 01.4-8

- BR01 : Fixed nylon injection.



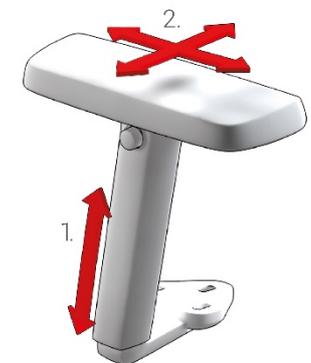
- BR02: Adjustable in height, in black injected polypropylene. Armrest in black injected polyurethane.

1. 11 cm height adjustment, with 10 locking positions.



- BR03: 3D, in black injected polypropylene. Armrest in black injected polyurethane.

1. 11 cm height adjustment, with 10 locking positions.
2. Multi-position adjustment of the armrest. It has a displacement of 19 cm forward and backward, and 6 cm laterally, being able to adopt any position between these measurements.



- BR04: 4D, in black injected polypropylene. Armrest in polyurethane.

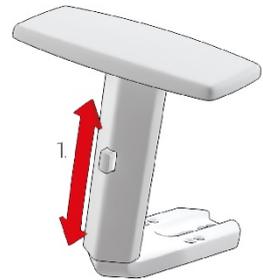
1. 7 cm height adjustment, with 6 locking positions.
2. Regulation of the depth of the armrest, 3 cm in each direction.
3. Armrest rotation, 30° maximum in each direction.
4. Regulation of the width between armrests, up to 3 cm on each side.





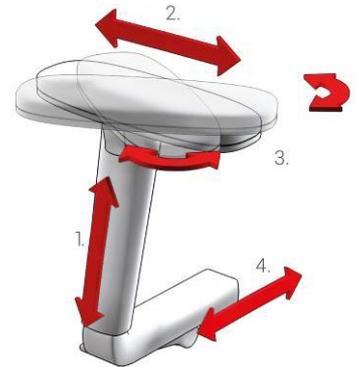
- BR06: Adjustable in height, in black injected polypropylene. Armrest in polyamide.

1. 8 cm height adjustment, with 9 locking positions.



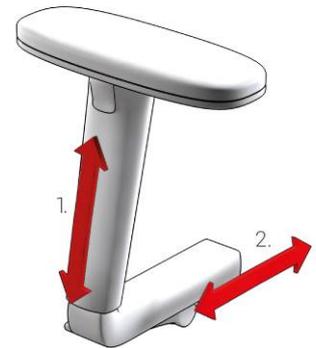
- BR09: 4D, 100% recyclable, injected black polypropylene. Optional fireproof treatment (UNE 23727/90 / UNE 23721/90 / UNE 23724). Armrest made of polyurethane.

1. Height adjustment of 10 cm, with 10 locking positions.
2. Depth of armrest adjustable up to 2.5 cm on each side.
3. Rotation of armrest of up to 30° maximum on each side.
4. Adjustment of width between armrests up to 5 cm on each side.



- BR10: 2D, 100% recyclable, injected black polypropylene. Optional fireproof treatment (UNE 23727/90 / UNE 23721/90 / UNE 23724). Armrests made of polyurethane.

1. Height adjustment of 10 cm, with 10 locking positions.
2. Adjustment of width between armrests up to 5 cm on each side.



Gas lift column:

Gas lift column (UNI 9084/02) in black or chromed, 12 to 15 microns, depending on base.



Bases:

- Polished aluminium, 70 cm diameter, exceeding the standard of the static resistance test ANSI-BIFMA X5.1-2011/7. Accompanies arms with chromed structure and chromed gas lift column, and wheels with chromed trim



- Nylon, 68 cm diameter. Accompanies arms with black painted structure, black gas lift column, and nylon wheels.





Wheels:

- Double rubber Desmopan wheels, 65 mm diameter with chromed trim. Accompanies polished aluminium base. The wheels have passed the following test.
ANSI-BIFMA X5.1-1993/18 Travel resistance.
- Double nylon/rubber Desmopan wheels, 65 mm diameter. Accompanies nylon base. The wheels have passed the following test.
ANSI-BIFMA X5.1-2011/17 Travel resistance.
- Optional: Chromed steel or black nylon non-slip gliders, depending on base.



STOOL

Backrest:

Backrest exterior is 100% recyclable, plastic injection black polypropylene. Backrest interior is made from fire retardant (UNE EN 1021-2/06 / BS-5852/06), high-density (60 kg/m³) (EN ISO 845) expanded polyurethane foam.



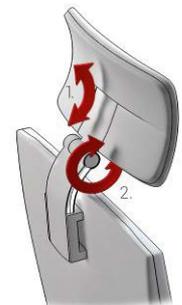
Adjustable lumbar support.



Headrest (Optional):

Headrest exterior is 100% recyclable black polypropylene. Headrest is fire retardant (UNE EN 1021-2/06 / BS-5852/06), high-density (60 kg/m³) (EN ISO 845) polyurethane expanded foam.

1. Adjustable height.
2. Adjustable tilt.



Seat:

Interior made from beech plywood (MQ cert. 07-175), covered with fire retardant (UNE EN 1021-2/06 / BS-5852/06), high-density (60 kg/m³) (EN ISO 845) polyurethane foam.





Mechanisms:

- Synchro sliding system:

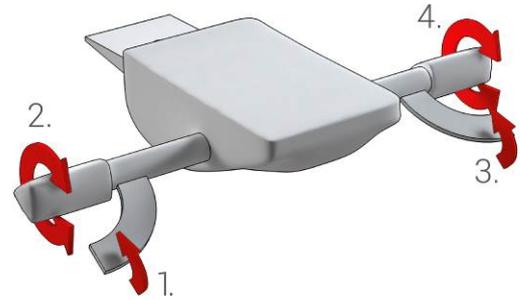
The synchro sliding system executes a synchronized tilting movement of the seat and backrest about the central axis of the chair, but this is done independently on non single-shell models. That is, the degree of backrest and seat tilt can be adjusted together.

It also has a seat shifter with 5 different positions to adjust the depth of the seated position with travel of 7 cm.

It has the following characteristics:

- 5 locking positions with non-return function.
- Tension regulator.

1. Gas lift.
2. Adjustment of the backrest tension according to the weight of the user.
3. Adjustment of the seat slide.
4. Adjustment of the seat/backrest tilt (ratio 1:2).



- 5-Position synchro mechanism:

The mechanism executes a synchronized tilting movement of the seat and backrest about the central axis of the chair, but does this independently on non single-shell models. It adjusts the degree of inclination of the seat and back together.

It has the following characteristics:

- 5 locking positions with non-return function.
- Tension regulator.

1. Gas lift.
2. Adjust the backrest tension according to the weight of the user.
3. Adjust to tilt the seat / backrest (ratio 1:2).



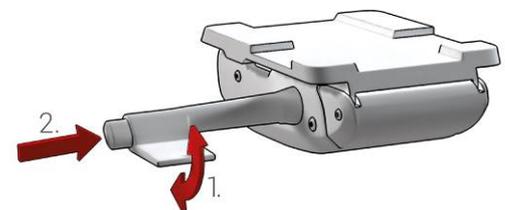
- Synchro self-weighting mechanism:

The synchro mechanism executes a synchronized tilting movement of the seat and backrest about the central axis of the chair. That is, we can adjust the degree of backrest and seat tilt together.

It has the following characteristics:

- Up to 20 ° backrest tilt, with 5 locking positions with by using the button.
- Up to 6° seat tilt, with 0° being the working position.
- Auto-weight function from 65 to 150 kg.

1. Gas lift.
2. Pressing the lever releases the seat and the backrest.





Arms (Optional):

The BR09 and BR10 arms have passed the following tests:

EN1335-3/09 AC:2009 par. 7.2.3
EN1335-3/09 AC:2009 par. 7.2.5
ANSI BIFMA X5.1-2011/13
ANSI BIFMA X5.1-2011/21
1907/2006/EC

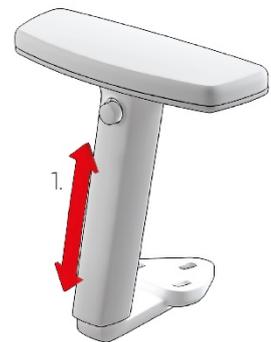
EN1335-3/09 AC:2009 par. 7.2.4
EN1335-3/00 AC:2009 par. 7.3.2
ANSI BIFMA X5.1-2011/14
ZEK 01.4-8

- BR01 : Fixed nylon injection.



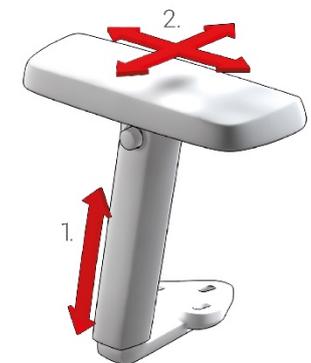
- BR02: Adjustable in height, in black injected polypropylene. Armrest in black injected polyurethane.

1. 11 cm height adjustment, with 10 locking positions.



- BR03: 3D, in black injected polypropylene. Armrest in black injected polyurethane.

1. 11 cm height adjustment, with 10 locking positions.
2. Multi-position adjustment of the armrest. It has a displacement of 19 cm forward and backward, and 6 cm laterally, being able to adopt any position between these measurements.



- BR04: 4D, in black injected polypropylene. Armrest in polyurethane.

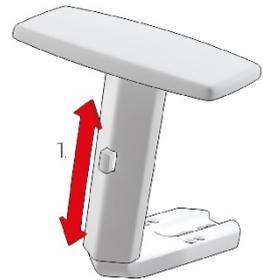
1. 7 cm height adjustment, with 6 locking positions.
2. Regulation of the depth of the armrest, 3 cm in each direction.
3. Armrest rotation, 30° maximum in each direction.
4. Regulation of the width between armrests, up to 3 cm on each side.





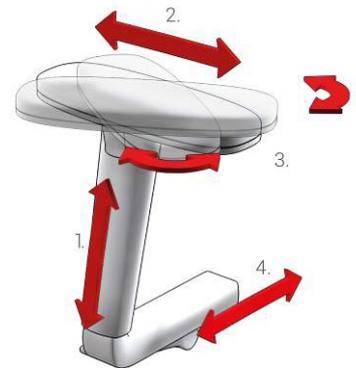
- BR06: Adjustable in height, in black injected polypropylene. Armrest in polyamide.

1. 8 cm height adjustment, with 9 locking positions.



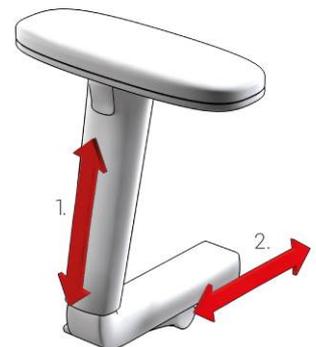
- BR09: 4D, 100% recyclable, injected black polypropylene. Optional fireproof treatment (UNE 23727/90 / UNE 23721/90 / UNE 23724). Armrest made of polyurethane.

1. Height adjustment of 10 cm, with 10 locking positions.
2. Depth of armrest adjustable up to 2.5 cm on each side.
3. Rotation of armrest of up to 30° maximum on each side.
4. Adjustment of width between armrests up to 5 cm on each side.



- BR10: 2D, 100% recyclable, injected black polypropylene. Optional fireproof treatment (UNE 23727/90 / UNE 23721/90 / UNE 23724). Armrests made of polyurethane.

1. Height adjustment of 10 cm, with 10 locking positions.
2. Adjustment of width between armrests up to 5 cm on each side.



Gas lift:

Gas lift column (UNI 9084/02) is chromed, 12 to 15 microns, or black, with chromed steel, 12 to 15 microns, or nylon footrest, depending on base, adjustable in height.



Bases:

- Polished aluminium, 70 cm diameter, exceeding the standard of the static resistance test ANSI-BIFMA X5.1-2011/7. Accompanies arms with chromed structure and chromed gas lift column, and wheels with chromed trim



- Nylon, 68 cm diameter. Accompanies arms with black painted structure, black gas lift column, and nylon wheels.





Wheels:

- Double rubber Desmopan wheels, 65 mm diameter with chromed trim. Accompanies polished aluminium base. The wheels have passed the following test.
ANSI-BIFMA X5.1-1993/18 Travel resistance.
- Double nylon/rubber Desmopan wheels, 65 mm diameter. Accompanies nylon base. The wheels have passed the following test.
ANSI-BIFMA X5.1-2011/17 Travel resistance.
- Optional: Chromed steel or black nylon non-slip gliders, depending on base.



CANTILEVER

Backrest:

Backrest exterior is 100% recyclable, plastic injection black polypropylene. Backrest interior is made from fire retardant (UNE EN 1021-2/06 / BS-5852/06), high-density (60 kg/m³) (EN ISO 845) expanded polyurethane foam.



Seat:

Interior made from beech plywood (MQ cert. 07-175), covered with fire retardant (UNE EN 1021-2/06 / BS-5852/06), high-density (60 kg/m³) (EN ISO 845) polyurethane foam.



Frame:

Round steel tube, 25 mm in diameter and 2 mm thick, chromed to 12 to 15 microns thickness.



Arms:

BR01: Fixed, nylon injection

