AITA

ADVANCED TILTING MECHANISM AND BALANCE

HOLLOW WHEELS

MADE IN THE EUROPEAN UNION

Designed by Aitor García de Vicuña, the AITA Designed is a balance between surroundings and timeless aesthetic.It is a fit for everyone, a solution to the demands of new architectures and spaces with soul. AITA is the fruit of research and reflection, giving this piece a transverse view, thinking about different environments and needs, looking at moments, and seeking harmony.

EN 16139 2013

AITA
HIGH / LOW CHAIR
SKU:DIMOLE-401-S1954

01.
Fixed headrest
(Optional, only for high chair)
Fixed with interior made of 14 mm diameter steel tube structure, covered with 60 kg/m³ high density expanded polyurethane fireproof foam (EN ISO 845).

02.
Backrest/Seat
Interior made of 14 mm diameter steel tube structure, covered with 60 kg/m³ high density expanded polyurethane fireproof foam (EN ISO 845).

04.
Gas column, bases and wheels
- Lifting using a class 3 black gas column (UNI 9084/02), tested for users weighing up to 120 kg.
- Polished aluminum base 70 cm diameter (ANSI-BIFMA X5.1-2011/7).
- Black nylon base of 68 cm diameter.
- Double wheels of 65 mm diameter with soft ABS plastic band, hollow design and with a black polyurethane base.
The base connection bolt has a circular nylon ring to prevent noise when used on metal or aluminum bases.
- Optional: Anti-slip gliders in black nylon.

03.
Mechanisms
Advanced tilting
The swivel axis is moved forward, which means that when the mechanism is released (very distinguishable by its Z-shape), the foot contact with the floor remains undisturbed.
It has the following features:
- Lateral tension adjustment with only 16 rotations between minimum and maximum.
- 5 locking positions with non-return function.
- Particularly fluid and ergonomic movement.
- Up to 17° of seat oscillation.
- Synchronized movment with excellent balance (ratio 1,5:1).

Balance
The balance mechanism, only available for monocoque models, allows the seat and backrest to move synchronously on the center of the seat, with a central locking system.
It has the following characteristics:
- Up to 7° of seat oscillation backwards and up to 4° forwards.
- Made of high quality polished aluminum.

AITA

HIGH / LOW CANTILEVER 4 RADIUS PYRAMIDAL BASE

SKU:DIMOLE-401-S1955

01.

Backrest/Seat

Interior made of 14 mm diameter steel tube structure, covered with 60 kg/m³ high density expanded polyurethane fireproof foam (EN ISO 845).

02.

Swivel spring

- Swivel spring. Height not adjustable.

03.

Bases

4-radius pyramidal base, in black, graphite or white nylon, 67,5 cm diameter.

Black Graphite White

04.

Pads/Wheels

Option A: Anti-slip pads in black, graphite or white nylon, depending on the base.

Option B: 50 mm diameter double nylon wheels.

AITA

HIGH / LOW CANTILEVER 4 LEGS

SKU:DIMOLE-401-S1956

01.

Backrest/Seat

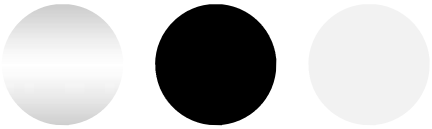
Interior made of 14 mm diameter steel tube structure, covered with 60 kg/m³ high density expanded polyurethane fireproof foam (EN ISO 845).

03.

Gas column and bases

- Lifting using a class 3 black gas column (UNI 9084/02), tested for users weighing up to 120 kg.
- 4-legged polished aluminum base with a diameter of 69 cm. With non-slip nylon caps.
- 4-legged aluminium base painted in black epoxy (RAL 9005) with a diameter of 69 cm. With non-slip nylon caps.
- 4-legged aluminium base painted in white epoxy (RAL 9010) with a diameter of 69 cm. With non-slip nylon caps.

The revolving system is accompanied by a white gas column. The gas lift and balance mechanism is accompanied by a black gas column.



Chrome RAL 9005 RAL 9010

02.

Mechanisms

Balance

The balance mechanism, only available for monocoque models, allows the seat and backrest to move synchronously on the center of the seat, with a central locking system.
It has the following characteristics:
- Up to 7° of seat oscillation backwards and up to 4° forwards.
- Made of high quality polished aluminum.

Gas lift

The seat moves up and down by operating a lever on the bottom right of the seat.

Revolving system (EN 1335 3/01 / UNI 9084/02)

Revolving cylinder with automatic centering, 360° rotation and cushioning. Height not adjustable. This mechanism allows the user to rotate the chair while seated. As soon as the user stands up from the chair, the cylinder automatically returns to its original position. Specially designed to maintain order in meeting and waiting areas. Only available with non-slip nylon caps.

AITA
HIGH / LOW CANTILEVER X FRAME

01.

Backrest/Seat

Interior made of 14 mm diameter steel tube structure, covered with 60 kg/m³ high density expanded polyurethane fireproof foam (EN ISO 845).

02.

X Structure

Steel tube of 16 mm diameter and 2 mm thickness, painted in black (RAL 9005) or white epoxy (RAL 9010). Gliders in non-slip nylon.

RAL 9005 RAL 9010

AITA
HIGH / LOW CANTILEVER 4 LEGS

01.

Structure
Base of 25 mm diameter steel tube, painted in black (RAL 9005) or white epoxy (RAL 9010). Nylon anti-slip tops.

RAL 9005 RAL 9010

02.

Backrest/Seat
Interior made of 14 mm diameter steel tube structure, covered with 60 kg/m³ high density expanded polyurethane fireproof foam (EN ISO 845).

03.

Structure
Ash wood legs.

AITA
HIGH / LOW CANTILEVER SKID

01.

Backrest/Seat
Interior made of 14 mm diameter steel tube structure, covered with 60 kg/m³ high density expanded polyurethane fireproof foam (EN ISO 845).

02.

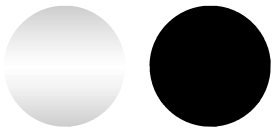
Structure
12 mm diameter round solid steel rod with 12 to 15 micron thick chrome plating or painted in black (RAL 9005) or white epoxy (RAL 9010). Nylon anti-slip tops.

Chrome RAL 9005 RAL 9010

AITA
LOW TABLE
SKU:DIMOLE-601-T1850

01.

Structure
Base of 25 mm diameter steel tube, chrome-plated 12 to 15 microns thick or black epoxy paint (RAL 9005).
Nylon anti-slip tops.



Chrome RAL 9005

02.

Cover or table top
White phenolic top with black border.
Available in:
- Square top 50 x 50 cm and 10 mm thick.
- Triangular top of 50 cm of side and 10 mm thick.

Characteristics of phenolic :

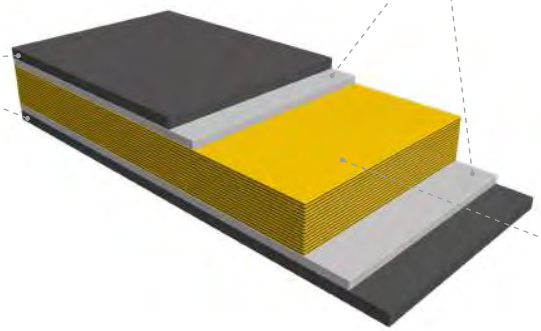
Resistance to scratches.
Resistance to heat.
Easy to clean.
Resistance to chemicals and domestic products.
Resistance to cracks.
Impact resistance.
Resistance to abrasion
Food hygiene.
Resistance of colours to artificial light.

Phenolic test :

ISO 4586 Thickness / Water resistance of decorative papers / Water absorption / Dimensional stability at high temperature / Vapour resistance.
ISO 1183 Density.
DIN 52612 Thermal conductivity.
ASTM D 785 Hardness Rockuler.
ISO 178 Resistance to flexion / Modulus of elasticity.
ASTM D 256 Impact resistance.
ASTM D 732 Shear strength.
ISO 604 Compressive strength.

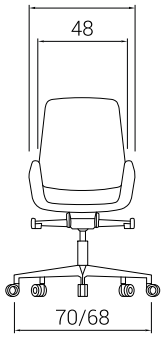
Decorative sheet impregnated with melamine resin.

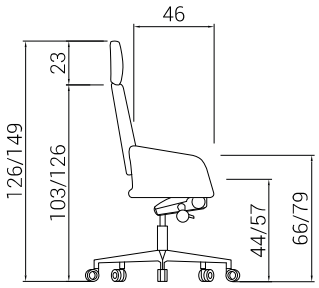
Protective surface impregnated with melamine resin.

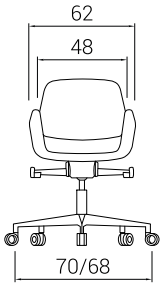


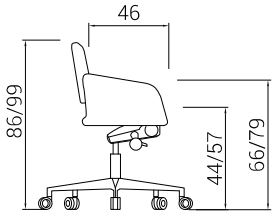
Phenolic core: stacking of several dozen sheets of kraft, depending on thickness, impregnated with phenolic resin.

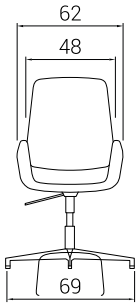
AITA
DIMENSIONS

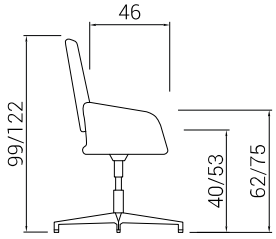


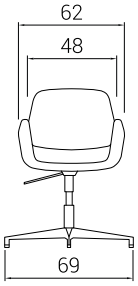


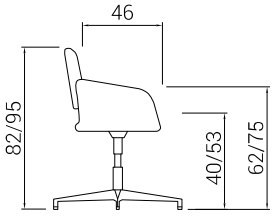


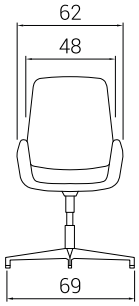


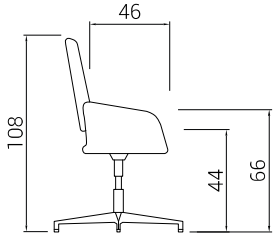


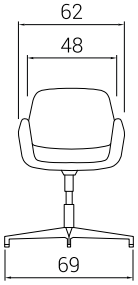


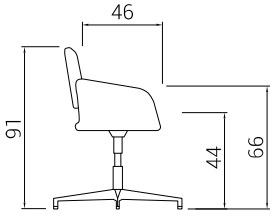


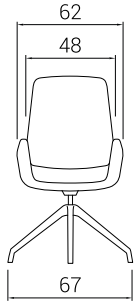


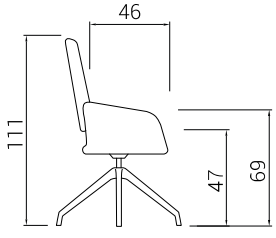


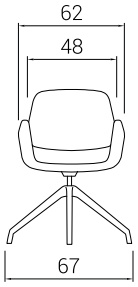


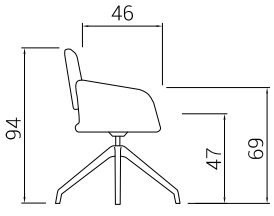


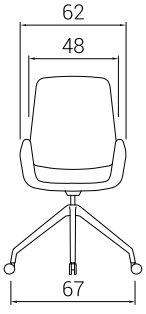


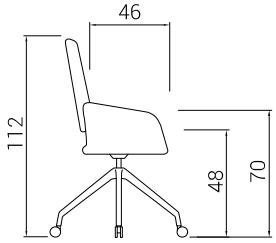


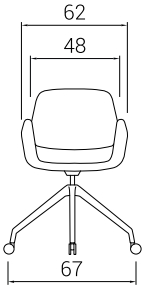


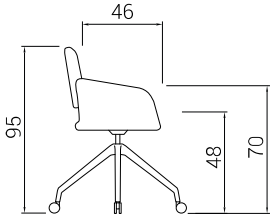




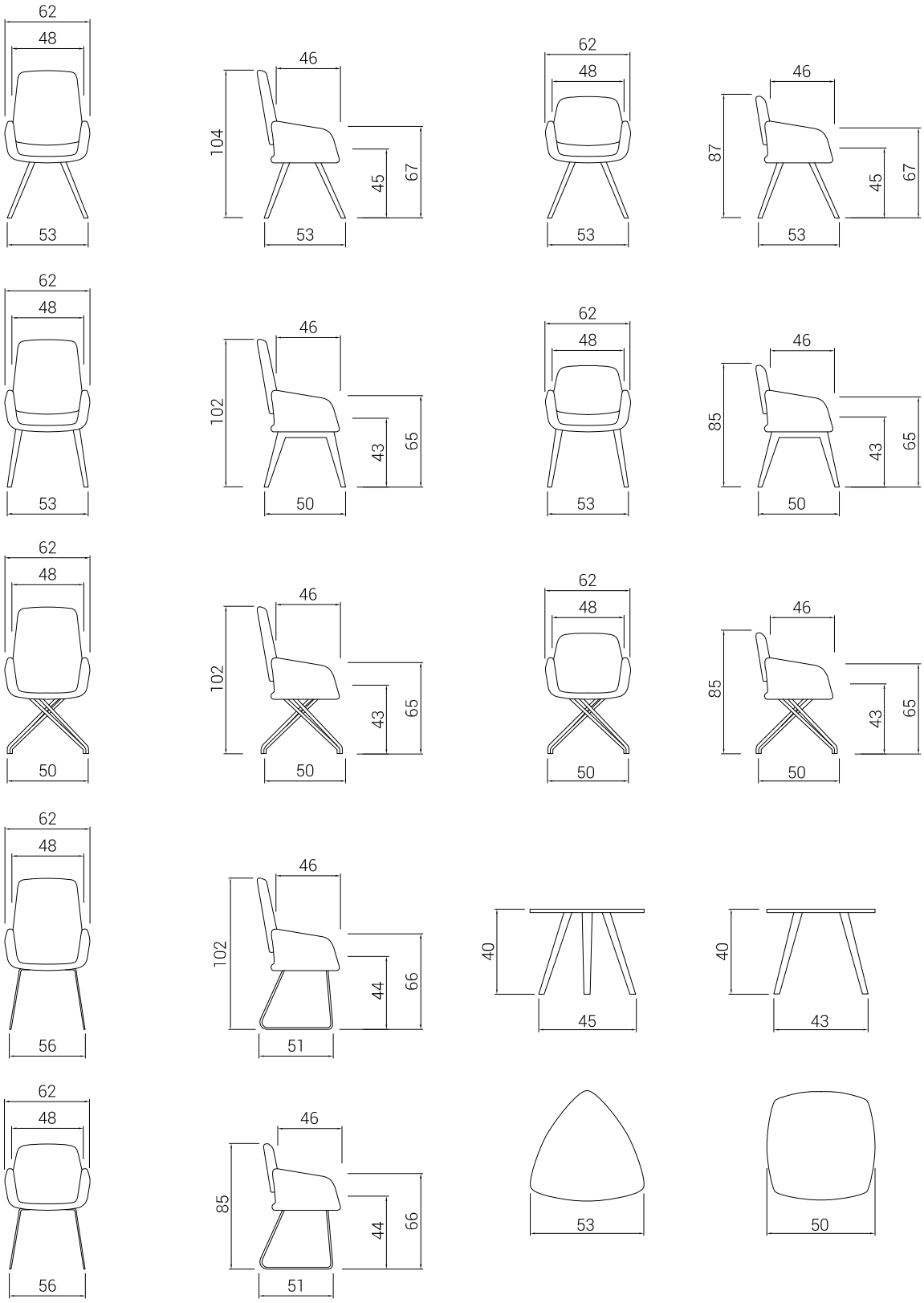








AITA
DIMENSIONS



AITA
SUSTAINABLE

98%
RECYCLABLE

54% Metal
16% Wood
1% Polypropylene
6% Other plastic materials
23% Others

BACKREST/SEAT
Interior made of steel tube structure, covered with high density expanded polyurethane foam

MECHANISM
in steel.

BASE
in polished aluminium

HOLLOW WHEELS
soft ABS plastic wheels with polyurethane casing

EN 16139 2013

AITA HIGH CHAIR / 4 RADIUS
Black aluminium base

AITA LOW CHAIR / 4 RADIUS
Polished aluminium base

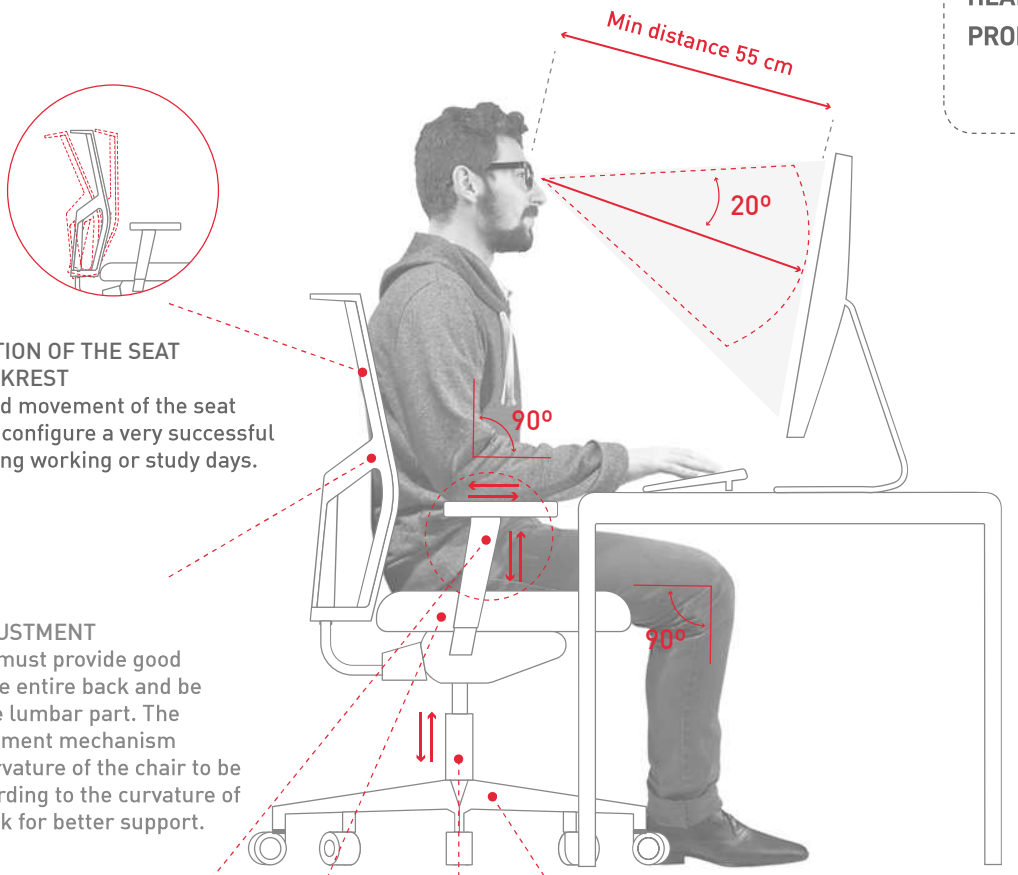
AITA / TABLE
Phenolic and steel tube

- ✓ 100% recyclable cardboard packaging, made from 90% recycled materials.
- ✓ Dileoffice is certified according to ISO 9001:2015, 14001:2015 and 14006:2020. All phases of the production process, from the receipt of components to the delivery of the finished product, are meticulously managed to minimise the impact on the environment.
- ✓ Dileoffice chairs are assessed by AIDIMEE to certify the compliance of each product with UNE EN standards.
- ✓ If it is necessary to replace the entire chair or any of its parts, the end customer will be informed of the recycling management of each element according to the composition of the materials.
- ✓ Transport is carried out by scheduled routes, giving priority to fuel savings. We use our own transport trucks, always trying to use the maximum volume, and minimising the volume in the packaging.

ISO

DILE
ERGONOMICS

GOOD POSTURE IS ESSENTIAL TO **AVOID HEALTH PROBLEMS**



01.
THE INCLINATION OF THE SEAT AND THE BACKREST
A synchronized movement of the seat and backrest, configure a very successful solution for long working or study days.

02.
LUMBAR ADJUSTMENT
The backrest must provide good support for the entire back and be adapted to the lumbar part. The lumbar adjustment mechanism allows the curvature of the chair to be adjusted according to the curvature of the user's back for better support.

03.
ADJUSTABLE ARMRESTS
The forearms should be parallel to the work surface and form a right angle with the arm.

04.
THE STRENGTH OF THE SEAT
The seat must offer firmness and adaptation to the user's physiognomy.

05.
CHAIR HEIGHT ADJUSTMENT
The possibility of adjusting the height allows for the correct posture, with the feet comfortably resting on the floor and the legs in a horizontal position.

06.
BASES
The base of the chair should have 5 points of support for the wheels on the ground, to facilitate their movement with minimal effort.

07.
FABRIC
Depending on the area of use and climate, one fabric or another should be chosen.

"Don't forget to take a break to stretch and move around regularly"

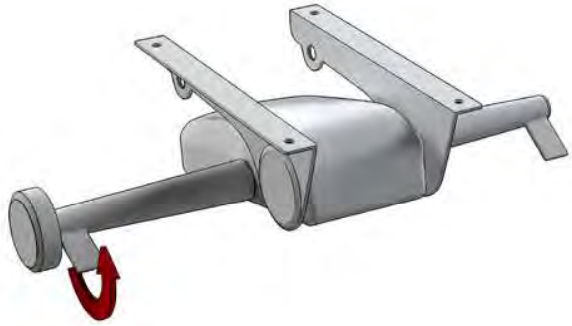
mondo

AITA
FINISHES

01 BALI (G01)	P6	P8	P20	P21	P22	P28	P29	P30
02 POLYESTER (G01)	C1	C2	C5	C7	C8	C10	C14	C17
03 GOYA (G01)	D1	D3	D6	D8	D9	D10	D11	D12
04 TOUCH LEATHER (G01)	R1	R2	R3	R4	R5	R6	R7	R8	R9
05 COMBI (G01)	B1	B2	B3	B4	B5	B6	B7	B8
06 OCEAN (G02)	G2	G3	G4	G5	G7	G8	G10	G12
07 ELASTIKA FR (G02)	I2	I3	I4	I7	I10	I11	I12	I14
08 ORUGA (G02)	O2	O4	O9	O10	O11	O12	O15
09 NILO (G02)	NL1	NL7	NL9	NL12	NL15	NL33	NL39	NL43
10 MADISON (G02)	MA1	MA3	MA4	MA6	MA12	MA17	MA19	MA20
11 TONAL (G02)	T01	T02	T03	T04	T05	T06	T07	T08
12 ONE (G02)	ON1	ON2	ON3	ON4	ON5	ON6	ON7	ON8
13 VALENCIA (G03)	VA5	VA6	VA11	VA14	VA15	VA16	VA21	VA22
14 DEKORA (G03)	DE1	DE2	DE3	DE4	DE5	DE6	DE7	DE8
15 FELICITY (G03)	FE1	FE2	FE3	FE4	FE5	FE6	FE7	FE8
16 LEATHER (G04)	F1	F2	F3	F6	F8	F14	F18	F20

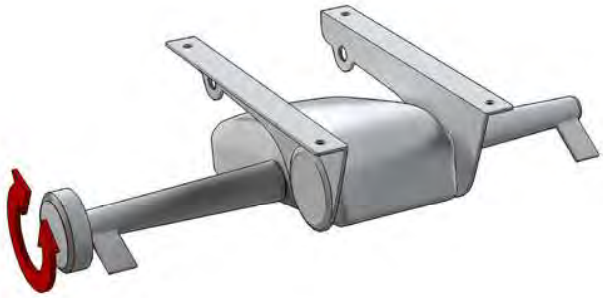
1. Mechanisms

ADVANCED TILTING MECHANISM



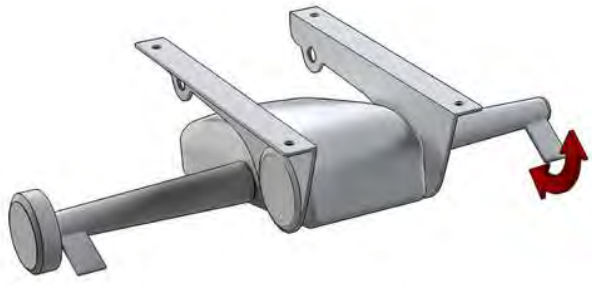
GAS LIFT

By lifting the handle we unlock the gas column. Without weight the chair lifts up. With the user seated, the chair goes down. Once the handle is released, the gas column is blocked again.



TENSION ADJUSTMENT OF THE MONOCOQUE SEAT

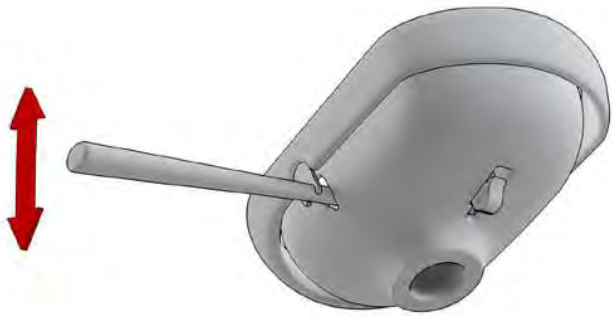
At the end of the gas lift handle is a tension adjustment disc, depending on the user's weight. Turning the disc clockwise makes the monocoque seat more resistant to the weight of the back. Turning the disc counterclockwise makes it less resistant to back weight.



ADJUSTING THE TILT OF THE MONOCOQUE SEAT

By raising the lever, the mechanism is released and the monocoque seat tilts under the weight of the back. By lowering the lever, the monocoque seat is locked in the desired position. To unlock it, simply lift the lever and apply weight with your back.

BALANCE MECHANISM



GAS LIFT

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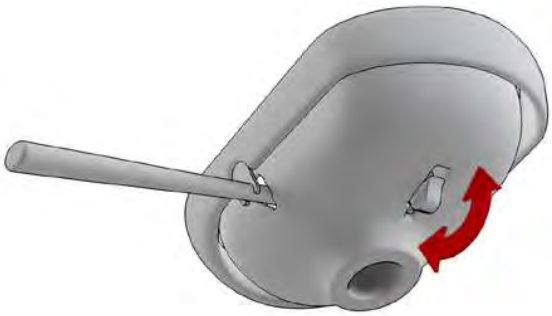


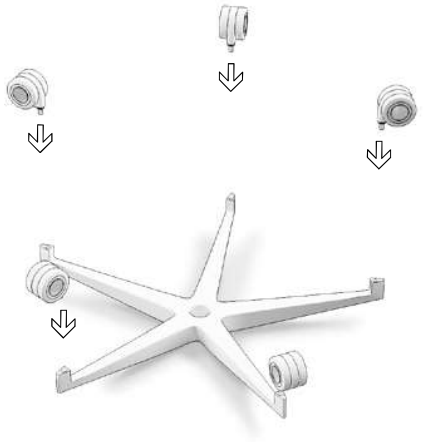
TILTING SYSTEM

By moving the button backwards, we release the mechanism that allows, when the user is seated, to change the angle of inclination of the monocoque seat. By moving the button forward, we lock the seat.

AITA
ASSEMBLY INSTRUCTIONS

5x  1x  1x  4x  1x  1x 

1.



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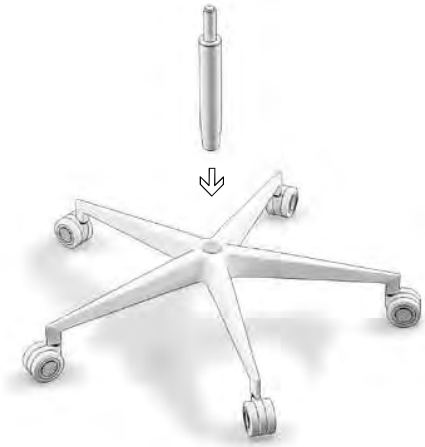

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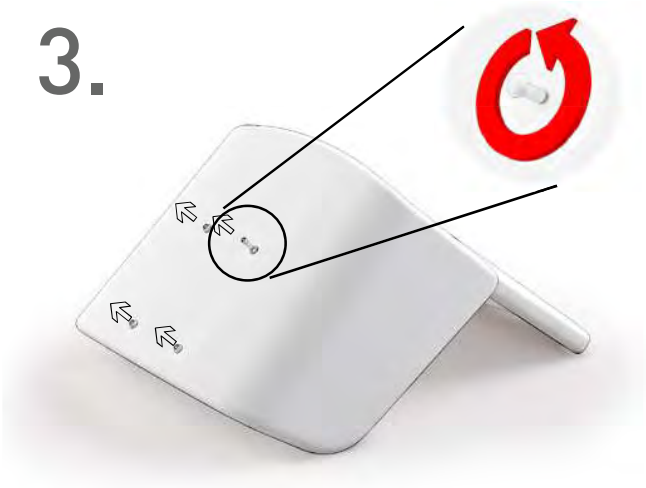

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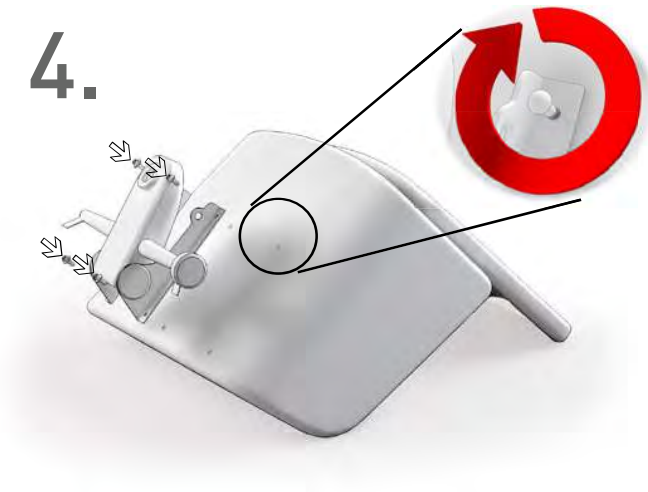

5.