

KADOS

— By Lledo&Campos —



DESCRIPTION

Swivel base chair. 5 Stars. Anti-skid castors. Seat and back in flexible polyurethane **PU flexible 40kg/m³** density, moulded on metal frame. Upholstered.

Arms:

- Moulded aluminium arm
- Height adjustable arm
- 3D adjustable arm

Optional depth adjustment **Seat** (6 cm)

Self return mechanism. Gas lift and synchro system.

Black Polyamide, silver aluminium and polished aluminium

Base.

BACK AND SEAT

(SEE FINISHES AND FABRIC CARD LAST PAGE)

SIZES

High back with/without headrest

Total height: from 1.012-1.122 mm

Total height: from 1.160-1.270 mm (headrest)

Total width: from 675 mm

Total depth: from 675 mm

Seat height: from 470 - 580 mm

Seat width: from 490 mm

Seat depth: from 440 mm

Medium back

Total height: from 910 to 1.020 mm

Total width: from 675 mm

Total depth: from 675 mm

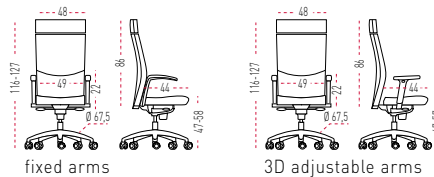
Seat height: from 470 - 580 mm

Seat width: from 490 mm

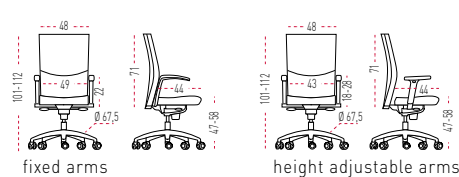
Seat depth: from 440 mm

SIZES

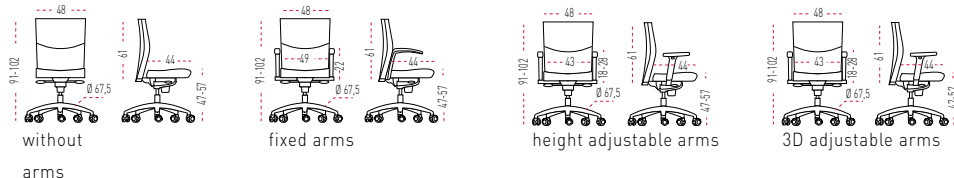
High back with headrest



High back without headrest



Medium back



① Optional headrest

② Seat and back made of flexible polyurethane **40kg/m³** density moulded on metal frame

③ Moulded aluminium arm
- Height adjustable arm
- 3D adjustable arm

④ Mechanism: Optional seat depth adjustment

⑤ Knee tilt synchro or gaslift

⑥ Black Polyamide, silver aluminium and polished aluminium **Base**

⑦ Anti-skid castors in all models



MATERIALS

KADOS has been designed to be manufactured with recycled materials 61,83%, danger substances such as chrome, mercury or cadmium are not used in big quantity. Recyclables Aluminium and Steel 100%. Organic volatile Components. Packages manufactured with recycled carton. Ink thinner free.



PRODUCTION

Energy use is optimized during the production process. Minimum environmental impact. Last generation technological system in coating processes. Painting that have not been used is recovered to use it again. Zero COVs emissions and other contaminant gas. Close water circuit to clean the metals. Heat recovery. Automatic manufacture systems. Cut process is planned.



TRANSPORT

Optimum packaging to reduce space in transport and save energy.



USE

Long lasting use. Spare parts and replacements available. Easy to clean and maintenance.



DISPOSAL

83,68% recyclable. Easy and quick to split **KADOS** components. Packages are reuse by our supplier to avoid waste generation. Carton used in packages is recyclable.



CERTIFICATES AND REFERENCES

The different programmes get points in different environmental categories to get the LEED certificate (sustainability, material and resources, water, energy and atmosphere, inner environment quality, innovation and design).



The mark of responsible forestry



PEFC Certificate



ECODESIGN Certificate



ISO 9001 Certificate



ISO 14001 Certificate



E1 by EN 13986 Certificate



ACTIU TECHNOLOGICAL PARK project certified as LEED® GOLD by U.S. Green Building Council 2011 Leadership in Energy & Environmental Design

■ ARMS



FIXED ARM

Frame

Moulded aluminium 30 x 20 mm
epoxy finish or polished finish.

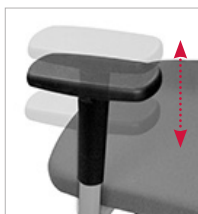
Polypropylene (P.P)

Armrests, 5 mm thickness.



ADJUSTABLE ARM (6 positions)

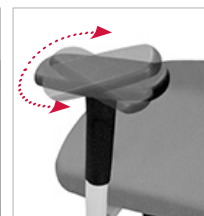
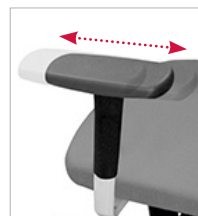
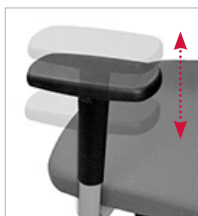
Black polyamide trims. Height adjustable
part of the arm is made of Polypropylene (P.P)
with **PU** trims 25 mm thickness



3D ADJUSTABLE ARM (6 positions)

Support Aluminum injected silver epoxy finish.

Height adjustable part of the arm is made
of Polypropylene (P.P) with **PU** trims 25 mm
thickness

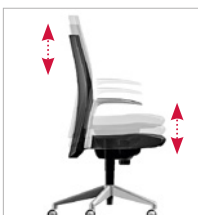


■ MECHANISMS



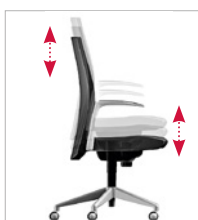
GAS LIFT

Gas lift operated



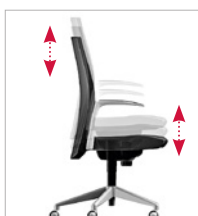
KNEE TILT SYNCHRO

Seat and back synchronized movement with
5 lockable positions. Tension knob and
security clutch. Gas lift.



KNEE TILT SYNCHRO AND SEAT DEPTH ADJUSTMENT

Seat and back synchronized movement with
5 lockable positions. Tension knob and security
clutch. Gas lift. Seat depth adjustment in 5
positions



■ BASES AND CASTORS



Black Polyamide - Ø 67,5 cm
Black anti-skid castor, Ø 65 mm soft band



Silver aluminium - Ø 67,5 cm
Dark Grey anti-skid castor, Ø 65 mm
black soft band

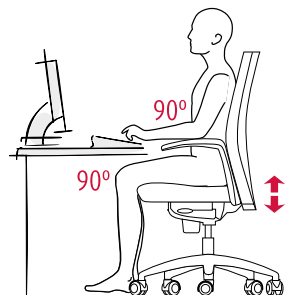


Polished aluminium - Ø 67,5 cm
Black anti-skid castor, Ø 65 mm soft band

1 A correct posture at work to avoid physical problems

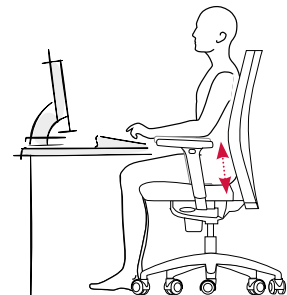
Seat adjustment.

Forearms must be parallel to the desk top as in a right angle with the rest of the arm. Both feet must be lean on the floor and knees must be in right angle too.



Adjustable arms (5 positions)

Place the chair arms in the lower position to get better mobility. For statics works, adjust height and distance to that point where the forearms perfectly lean.



2 Different ergonomics conditions and specific mobility for each task

It is necessary to alternate daily dynamic and static tasks.

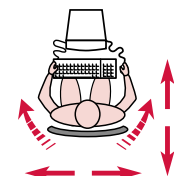
Dynamic tasks.

Document manipulation, communication and so on...Free the synchro mechanism and adjust weight and height. Place armrests in the lower position

Torsion.

Flexible back whose movements go naturally with the user action.

Dynamic tasks.



Torsion.



Static work

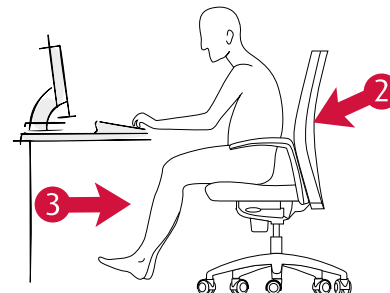
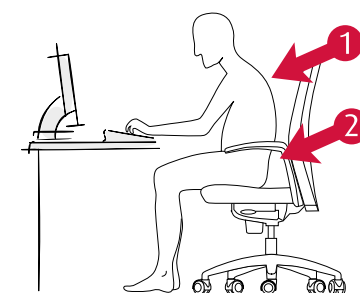
Document analysis and writing, intensive computer work...
Blocked synchro mechanism and use armrests properly



3 Incorrect Postures

Key points.

1. A lower position from the desk produces neck pain.
2. An incorrect back support produces lumbar problems.
3. Legs too stretched or too vended causes body joints over-stressed.



■ DESCRIPTION

Seat and back in flexible polyurethane (PU) 40kg/m^3 density moulded on metal frame. Upholstered. **Arms** moulded aluminium fixed arms with black Polypropylene (P.P) trims. **4 leg frame** made of steel 35 x 15 mm and 1,5 mm thickness. **Available in silver or chromed.** Polypropylene (P.P) anti-skid caps, 4 mm thickness.

■ BACK AND SEAT

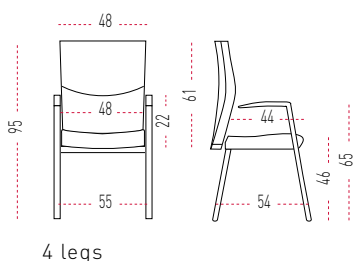
(SEE FINISHES AND FABRIC CARD LAST PAGE)

■ SIZES

Total height: de 950 a 970 mm
Total backrest width: 480 mm
Total backrest depth: 610 mm

Seat height: from 460 mm
Seat width: from 480 mm
Seat depth: from 440 mm

■ SIZES



- ① Flexible polyurethane (PU) seat and back 40kg/m^3 density, moulded on metal frame
- ② Moulded aluminium arms with Black Polypropylene (P.P) trims
- ③ Steel frame 35 x 15 mm 1,5 mm thickness. **Available in silver or chromed finish**
- ④ Polypropylene(P.P) caps. Anti-skid. 4mm thickness



MATERIALS

KADOS has been designed to be manufactured with recycled materials 61,83%, danger substances such as chrome, mercury or cadmium are not used in big quantity. Recyclables Aluminium and Steel 100%. Organic volatile Components. Packages manufactured with recycled carton. Ink thinner free.



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Energy use is optimized during the production process. Minimum environmental impact. Last generation technological system in coating processes. Painting that have not been used is recovered to use it again. Zero COVs emissions and other contaminant gas. Close water circuit to clean the metals. Heat recovery. Automatic manufacture systems. Cut process is planned.



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Long lasting use. Spare parts and replacements available. Easy to clean and maintenance.



DISPOSAL

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61,83% recycled materials



100% recyclable Aluminium
100% recyclable Steel



Recycled package and thinner free 100% recyclable carton



Easy to clean and maintenance

83,68% recyclable materials

CERTIFICATES AND REFERENCES

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The mark of responsible forestry



PEFC Certificate



EN ISO 14006:2011
ECODESIGN Certificate



UNE-EN ISO 9001:2008
ISO 9001 Certificate



UNE-EN ISO 14001:2004
ISO 14001 Certificate



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Certificate



ACTIU TECHNOLOGICAL PARK
project certified as LEED® GOLD
by U.S. Green Building Council 2011
Leadership in Energy & Environmental Design

■ DESCRIPTION

Seat and back in flexible polyurethane (PU) 40kg/m^3 density moulded on metal frame. Upholstered. **Arms** moulded aluminium fixed arms with Black Polypropylene (P.P) trims. **Cantilever frame** made of steel 35 x 15 mm and 1,5 mm thickness. Steel Support plate 30 x 10 mm thickness. **Available in silver or chromed.** Polypropylene (P.P) anti-skid caps, 4 mm thickness.

■ BACK AND SEAT

(SEE FINISHES AND FABRIC CARD LAST PAGE)

■ SIZES

Total height: de 950 a 970 mm

Total backrest width: 480 mm

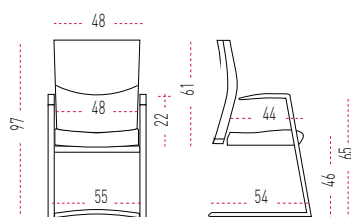
Total backrest depth: 610 mm

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Seat width: from 480 mm

Seat depth: from 440 mm

■ SIZES



cantilever



- ① Flexible polyurethane (PU) seat and back 40kg/m^3 density, moulded on metal frame
- ② Moulded aluminium arms with Black Polypropylene (P.P) trims
- ③ Steel frame 35 x 15 mm, 1,5 mm thickness. **Available in silver or chromed finish**
- ④ Steel plate 30 x 10 mm
- ⑤ Anti-skid black polypropylene (P.P) caps 4 mm thickness



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61,83% recycled materials



100% recyclable Aluminium
100% recyclable Steel

83,68% recyclable materials



Recycled package and thinner free 100% recyclable carton



Easy to clean and maintenance

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UNE-EN ISO 9001:2008
ISO 9001 Certificate



UNE-EN ISO 14001:2004
ISO 14001 Certificate



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■ ERGONOMICS

KADOS available for all type of users. Perfect for any need and keep user's posture in a natural way without any manual adjustment.

Seat is manufactured by high quality moulded foam that provides a homogeneous distribution of the body weight to avoid knees and pelvis problems. KADOS Seat, back and arms could be adjust to any user.

■ STANDARDS

KADOS has passed tests done in our technical department as well as the tests done in **AIDIMA** the Technological Institute for furniture. The tests correspond to:

Operative chairs standards applied since 2009

- **UNE-EN 1335-1:01.** Office Furniture. Office chair. Part 1: Dimensions.
- **UNE-EN 1335-2:09.** Office Furniture. Office Chair. Part 2: Security requirements
- **UNE-EN 1335-2:09.** Office Furniture. Office chair. Part 3: Security essays.

Confident office chair. Standard application

- **UNE-EN 1022:05.** Office Furniture. Cantilever chairs.
- **UNE-EN 13761:03.** Office Furniture. Cantilever chairs.
- **UNE-EN 1728:00.** Office Furniture. Cantilever chairs.

■ ECOLOGY

ENERGY SAVING

The new technological production system included, reduce the energy resources used to manufacture each component. Materials are very well used to avoid wastes.

RECYCLED AND RECYCABLE MATERIALS

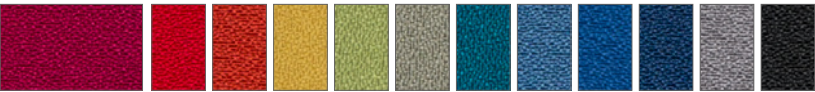
ACTIU environmental policy opts to use recycled materials in those components where functionality and lasting is not a condition. Materials used in KADOS such as Aluminium or Steel are totally recyclable.

■ REMARKABLE VALUES

- 1** – Star swivel base, aluminium epoxy finish
- 2** – Electrostatic coat, epoxy bonding 2nd generation. Polymerized 200°C with nano-ceramics and non-grease treatments to improve better covering and provide then better resistance and lasting.
- 3** – Coating 90 micras thickness. This covering guarantees the finish and maintenance of metal structures.
- 4** – Seat manufactured by polyurethane moulded foam 40kg/m³ density over a metal frame. It is upholstered with breathable fabric which are very easy to clean, so these chairs are suitable for those places which need a extreme hygiene. Anti-skid, comfortable and secure. The waterproof fabrics are easy to maintain and protect all seat componenets. Intensive use product >120.000 cycles. It has been classified as an excelent product in the sweat resistance tests.
- 5** – Painting process:
Actiu painting plant has minimum environmental impact against the traditional industry processes.
Treatment is done by polarized coating and compacted with temperature. We get homogeneous and regular application with 98% of painting and the remaining 2% is used to produce other paints. Paints used are COVs free(Volatile Organic Components) which are very dangerous for the environment. All water used in the process is re-used, so we get zero dump. The process is free in heavy metal, phosphate, organic components and **DQD** (Biochemical demand of Oxygen). The program gives us an exact control of thickness, so it provides us with standard thickness (90 micron).
- 6** – **Synchrho mechanism**, 5 positions back. Tension knob and return control system. Gas lift. 5 positions depth adjustment.(6 cm)

■ **BACK AND SEAT**

GROUP T-C



GROUP N



GROUP P

