



Forma 5

# Kio

## TECHNICAL FEATURES

Executive armchair with ergonomic configuration.  
Shell with high or medium backrest.  
Height adjustable by gas with swivel-tilt.



## SWIVEL ARMCHAIR | LOW BACKREST

### Shell

15 mm thick plywood boards inner structure

### Arms

Chromed steel with upholstered armrests

### Gas

Gas-elevation with cushioning

### Base

Polyamide pyramidal base  
Polished aluminium pyramidal base  
Polished aluminium arc base

### Backrest and seat

High density upholstered polyurethane foam

### Swivel-tilt mechanism

### Casters

65 mm double wheels  
65 mm soft double wheels  
50 mm chromed wheels  
Levellers

## DIMENSIONS

Height	98 - 121 cm
Seat height	42 - 55 cm
Width	61 cm
Depth	69 cm
Weight	22 kg
Fabric meters	1,8 m

\* These minimum and maximum dimensions depend on the chosen configuration (mechanisms, bases, casters...). Please ask for concrete values in case you need them.

Dimensions in centimeters

## SWIVEL ARMCHAIR | HIGH BACKREST

### Shell

15 mm thick plywood boards inner structure

### Arms

Chromed steel with upholstered armrests

### Gas

Gas-elevation with cushioning

### Base

Polyamide pyramidal base  
Polished aluminium pyramidal base  
Polished aluminium arc base

### Backrest and seat

High density upholstered polyurethane foam

### Swivel-tilt mechanism

### Casters

65 mm double wheels  
65 mm soft double wheels  
50 mm chromed wheels  
Levellers

## DIMENSIONS

Height	113 - 128 cm
Seat height	42 - 55 cm
Width	61 cm
Depth	72 cm
Weight	23 kg
Fabric meters	2 m

\* These minimum and maximum dimensions depend on the chosen configuration (mechanisms, bases, casters...). Please ask for concrete values in case you need them.

Dimensions in centimeters

## STATIONARY CHAIR | CANTILEVER VISITOR CHAIR



## DIMENSIONS

Height	95 cm
Seat height	43 cm
Width	61 cm
Depth	71 cm
Weight	18 kg
Fabric meters	1,8 m

Dimensions in centimeters

## ELEMENTS DESCRIPTION

### SHELL

Formed by 15 mm thick plywood boards shell. Pressed and curved in hot plates presses. All the group is covered by a high density polyurethane foam and later upholstered.

### ARMS

With fixed metal arms made by elliptical tube with upholstered armrests matching the rest of the upholstery for a better support of the arms. Chromed finish.



Shell structure for seat and backrest

### MECHANISM [swivel armchairs]

**GAS:** height adjustable by gas-lift according the DIN 4550 legal terms. Activated by a lever placed under the seat.



**SWIVEL-TILT:** the swivel-tilt mechanism allows the backrest leaning keeping a constant angle between seat and backrest.

Seat height adjustment by a lever for an optimal adjustment of the user.

Leaning backrest adjustment until 13,5° angle, fixed to the desired position by moving the lever downwards.

Backrest leaning hardness adjustment, this is the necessary force to move it.

### BASE

**POLYAMIDE PYRAMIDAL OR POLISHED ALUMINIUM:** 38 cm outer spoke and 32 cm casters axis, formed by 5 branches with rectangular flat upper face forming a star which supports double black wheels. 360° free turn facilitating the movement of the chair to all directions.



Polyamide pyramidal base



Polished aluminium pyramidal base

**POLISHED ALUMINIUM ARC:** with polished aluminium rounded shape. 36 cm outer spoke and 31 cm casters axis, formed by 5 branches with rounded section, star-shape with polyamide double wheels. 360° free turn facilitating the movement of the chair to all directions.



Polished aluminium arc base

### VISITOR CHAIR

The visitor chairs of this program are based on shell, foam and upholsteries as the swivel armchair. Cantilever structure formed by rounded steel tube with Ø 25 mm and 2,5 mm thick. The variable radius curve gives a cushioning effect very comfortable. Floor support with polyamide slides (it could be delivered without slides for floors with carpet). Upholstered armrests.



Cantilever visitor chair

### FLOOR SUPPORT

5 floor support options:



65 mm pyramidal base double wheel



65 mm pyramidal base soft double wheel



50 mm arc base chromed wheel



Pyramidal base levellers



Arc base levellers

### UPHOLSTERY

Backrest and seat available for all the fabrics range of Forma 5, including a wide range of fabrics (yarn, fireproof fabrics) and leathers. Consult fabrics brochure and Forma 5 Pricelist.

The Group 1, 2, 3 and 5 fabrics of Forma 5 are supplied by the manufacturer company Camira. Although our fabrics brochure includes a selection of the Camira fabrics, if the customer requires another specific, Forma 5 will upholster any of its fabrics in any fabric from Camira catalog.

### PACKING

The armchair is delivered assembled and protected by a plastic. Consult us.

# ERGONOMICS

TAKING CARE OF OUR BODY DOES NOT ONLY DEPEND ON GOOD NUTRITIONAL HABITS AND SPORT. THERE ARE OTHER FACTORS THAT CAN INFLUENCE HEALTH, LIKE A CORRECT POSITION AT THE WORKSTATION. FOR THIS REASON, TO KEEP THE BODY IN A GOOD SHAPE AND FREE OF PHYSICAL DISORDERS, IT IS NECESSARY TO HAVE GOOD FURNITURE AND USE IT CORRECTLY.



## SEAT HEIGHT REGULATION

Chairs should have an option to lift or lower the seat's height, through a mechanical or a pneumatic system. The position will be the correct one, when the feet rest firmly on the floor and the thighs remain in a horizontal position. The mechanism should be easily accessible from a seating position.



## SEAT CONSISTENCY

We spend a long time on the seat, so this one should provide firmness and adapt to the user's features. Both the high density foam and the injected foam are very resistant, durable and comfortable.



## SEAT AND BACKREST LEANING MOVEMENT

The chair should include a mechanism to control the seat leaning movement and keep a well-balanced position at work. The synchro system is the most extended one, but there are other versions which are more advanced, like the Atom synchro. This last one is Forma 5 exclusive and it self-adjusts to the user's weight.



## 5 BRANCHES BASE

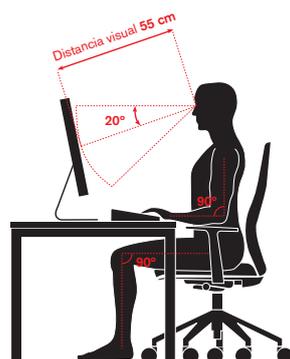
To facilitate a movement with less effort and to provide the chair stability and firmness, the base should have 5 support points for the casters.

## UPHOLSTERY

The upholstery should be chosen depending on the chair location and the environmental conditions.



CONSIDERING THE ABOVE MENTIONED ADVICES, HERE ARE SOME COMMENTS ABOUT THE POSITION TO BE ADOPTED WHILE SEATING AT WORK



- 1 The distance between the screen and the eyes should be at least 55 centimeters. The screen should also be located in front of the user and not on one side.
- 2 The upper side of the screen should be located at eye level.
- 3 Thighs should be horizontal regarding the seat and the feet should rest firmly on the floor, having enough space below the desk.
- 4 Breaks should be done often for muscle stretching and moving, changing the position every once in a while.
- 5 Eyes should rest often, so that we do not get eyestrain. For example, focusing on different places and distant objects.

# CHAIR MAINTENANCE AND CLEANING GUIDE

LINES FOR A CORRECT CHAIR CLEANING AND MAINTENANCE, CONSIDERING THE DIFFERENT MATERIALS:

## FABRICS

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- 1 Vacuum often
- 2 Rub th dirty spot with a wet cloth with PH neutral soap.  
Test first on a hidden spot.
- 3 Dry foam for carpets can be alternativaly used.

## METAL PIECES

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- 1 Rub the dirty spots with a wet cloth with PH neutral soap.
- 2 Polished aluminium pieces can have their polish bak by covering and rubbing them with a dry cottom cloth.

## PLASTIC PIECES

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Rub the dirty spots with a wet cloth with PH neutral soap.

Do not use abrasive products in any case.



Life Cycle Analysis  
**KIO PROGRAM**



RAW MATERIALS		
Raw Material	Kg	%
Steel	6,86 KG	41%
Plastic	1,34 KG	8%
Aluminium	1,005 Kg	6%
Uphols./Fulling	2,52 Kg	15 %
Wood	5,025 Kg	30%

% Recycled materials= 51%  
% Recyclable materials= 77%

## Ecodesign

Results reached during the life cycle stages



### MATERIALS

**Steel**  
15%-99% recycled material.

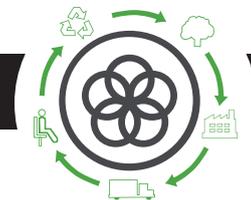
**Aluminium**  
60% recycled material.

**Plastic**  
30%-40% recycled material.

**Staff material**  
Without HCFC and certified by Okotext.

**Upholsteries**  
Without COV emissions and certified by Okotext.

**Packings**  
100% recyclable with inks with no solvents.



## PRODUCTION

### Raw materials use optimization

Board, upholstery and steel tubes cut.

### Renewable energies use

reducing the CO2 emissions. (Photovoltaic panels)

### Energy saving measures

in all production process

### COV global emission reduction

of the production processes by 70%.

### Glue removal from the upholstery

The facilities have an internal sewage for liquid waste.

### Green points

at the factory

### 100% waste recycling

at production process and dangerous waste special treatment.



## TRANSPORT

### Cardboard use optimization

of the packings

### Cardboard and packing materials use reduction

### Flat packings and small bulks

to optimize the space.

### Solid waste compacter

which reduces transport and emissions.

### Light volumes and weights

### Transport fleet renewal

reducing by 28% the fuel consumption.

### Suppliers area reduction

Local market power and less pollution at transport.



## USE

### Easy maintenance and cleaning

without solvents.

### Forma 5 provides a 2 year guarantee

and up to 10 years for big projects.

### The highest quality

for materials to provide a 10 year average life of the product.

### Useful life optimization

of the product due to a standardized and modular design.



## END LIFE

### Easy unpacking

for the recyclability or compound reuse.

### Piece standardization

for the use.

### Recycled materials used for products (% recyclability):

Wood is 100% recyclable.

Steel is 100% recyclable.

Aluminium is 100% recyclable.

### With no air or water pollution

while removing waste.

### Returnable, recyclable and reusable packing

Product recyclability 85%

# LEGAL TERMS

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## CERTIFICATES

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Forma 5 certifies that the Kío program has passed all tests provided by our internal Quality Department, as well as the Technological Research Center (CIDEMCO) with “satisfactory” results:

UNE EN 1335-1:2001 Office furniture. Task chairs for offices. Part 1: Dimensions. Defining the dimensions.

UNE EN 1335-2:2002 Office furniture. Task chairs for offices. Part 2: Security requirements.

UNE EN 1335-3:2001 Office furniture. Task chairs for offices. Part 3: Security testing methods.

Developed by BATOCCHIO