

Forma 5

TECHNICAL FEATURES

**TOUCH**



For anti-electrostatic solutions, please ask us the conditions.

**Shell backrest**

Shell (dark grey / white) polypropylene outer side and upholstered polyurethane injection foam

**Adjustable lumbar support**

**Arms**

Without arms  
Fixed arms  
1D adjustable arms  
3D adjustable arms  
4D adjustable arms

**Seat**

Outer polypropylene shell and upholstered injected polyurethane foam

**Sliding seat**

Optional seat depth regulation

**Base**

Polyamide Star D69 cm  
Polished aluminium Star D69 cm  
White aluminium Star base D69 cm

**Mechanism**

Synchro Motion

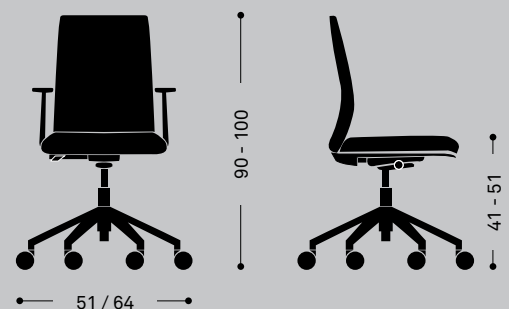
**Casters**

Hard or soft double wheel casters 65 mm (diameter according to base)

**DIMENSIONS**

Height	90 - 100 cm
Seat height	41 - 51 cm
Width (without arms / with arms)	51 / 64 cm
Depth	54 cm
Weight (without arms / with arms)	19,96 / 21,24 kg
Fabric meters	0,8 m

\* These minimum and maximum dimensions depend on the chosen configuration. Please ask for concrete values in case you need them.



Dimensions in centimeters

# SWIVEL CHAIR | HIGH BACKREST

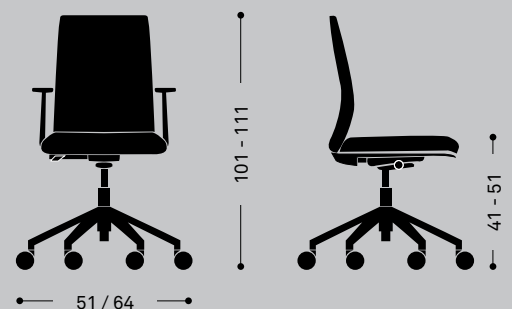
For anti-electrostatic solutions, please ask us the conditions.



## DIMENSIONS

Height	101 - 111 cm
Seat height	41 - 51 cm
Width (without arms / with arms)	51 / 64 cm
Depth	54 cm
Weight (without arms / with arms)	22,23 / 23,51 kg
Fabric meters	0,9 m

\* These minimum and maximum dimensions depend on the chosen configuration. Please ask for concrete values in case you need them.



Dimensions in centimeters

# SWIVEL CHAIR | HIGH BACKREST

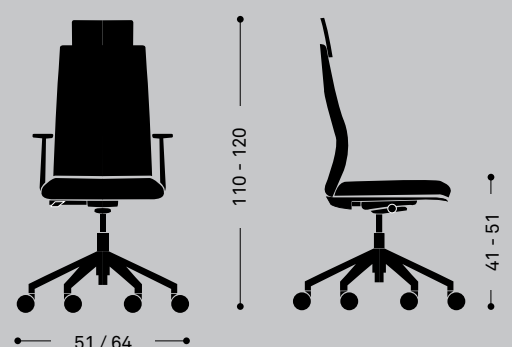
For anti-electrostatic solutions, please ask us the conditions.



## DIMENSIONS

Height	110 - 120 cm
Seat height	41 - 51 cm
Width (without arms / with arms)	51 / 64 cm
Depth	54 cm
Weight (without arms / with arms)	22,34 / 23,62 kg
Fabric meters	1,1 m

\* These minimum and maximum dimensions depend on the chosen configuration. Please ask for concrete values in case you need them.

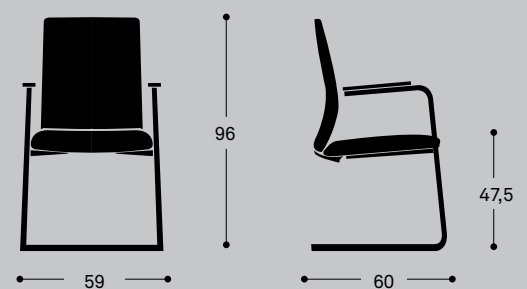


Dimensions in centimeters



## DIMENSIONS

Height	96 cm
Seat height	48 cm
Width (without arms / with arms)	- / 60 cm
Depth	60 cm
Weight (without arms / with arms)	15,82 kg
Fabric meters	0,9 m



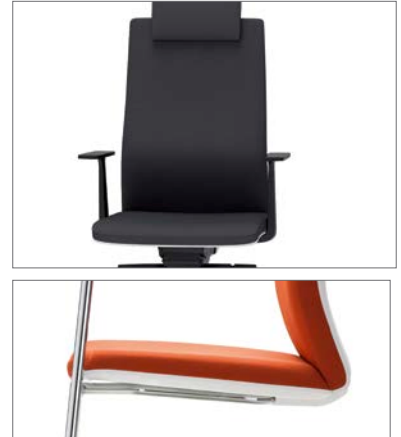
Dimensions in centimeters

## ELEMENT DESCRIPTION

### BACKREST AND SEAT

**BACKREST:** rectangular shape with rounded edges. 3 mm thick inner polypropylene shell. 40 mm thick injected polyurethane foam and 70 kg/m<sup>3</sup> density. 5 mm thick polypropylene outer back shell, which covers completely the backrest. The outer side of this shell is textured. The backrest includes adjustable lumbar support. Optional black integral polyurethane headrest for highbackrest chairs.

**SEAT:** 3 mm thick polypropylene inner tray. 50 mm thick overinjected polyurethane foam and 65 kg/m<sup>3</sup> density, upholstered over the outer side. 5 mm thick outer injected polypropylene shell, textured over the outer side.



### MECHANISM [swivel chairs]

**SLIDING SEAT:** Optional seat depth adjustment for all swivel chairs.



**SYNCHRO MOTION:** 24° backrest leaning and 10° on the seat. Backrest leaning and seat rotation according to a 2,4:1 fixed ratio. Backrest tension or hardness adjustment. Easy adjustment with only two turns. The resistance of the knob is constant, regardless of reduce or increase the tension. Infinite tension positions of the backrest for an optimal adjustment to users between 45 and 120 kg. Forward rotation axis that prevents for pressure on the user's legs. 4 blocking positions of the backrest with anti-return protection. Discrete aesthetic that favors the chair.

### ARMS



Black fixed arm



Polar white fixed arm



1D adjustable arm



3D adjustable polyamide arm support



3D adjustable aluminium arm support. Black.



3D adjustable aluminium arm support. White.



4D adjustable arm

The chair may be ordered without arms optionally. They have ergonomic qualities for a better rest of the arms.

**Fixed:** Fixed: "T" shape polypropylene fixed arms. Black or white.

**1D adjustable:** with polypropylene structure and polyurethane armpads. Easy adjustment of height. Dimensions: 250 x 90 mm.

**3D adjustable polyamide arm support:** with polyamide structure reinforced with fiberglass and soft-touch polyurethane armrest. Easy adjustment of height, depth and turn.

**3D adjustable aluminium arm support:** with injected aluminium structure and polyurethane armpads. Easy adjustment of height, depth and turn. Black or white.

**4D adjustable:** with injected aluminium structure and polypropylene armrests. Easy adjustment: height, depth, width and rotation. 235 x 105 mm.

## ELEMENT DESCRIPTION

### BASE

**POLYAMIDE, POLISHED ALUMINIUM OR WHITE ALUMINIUM STAR:** 69 cm diameter. 5 trapezoidal branches with rounded corners.



Polyamide star 69 base



Polished aluminium star 69 base



White painted aluminium star 69 base

### FLOOR SUPPORT

2 floor support options:



Roulette double galet 65 mm



Roulette double galet sol dur 65 mm

### STRUCTURE [visitor chair]

Visitor chairs may have 2 different structures:

**CANTILEVER STRUCTURE:** 22 x 1.5 mm diameter tube for heavy loads. Arms like the 4-legged chairs.



Visitor chair structure

### HEADREST [swivel chairs]

Optionally, the high backrest may have cervical rest, with anatomic shape in integral polyurethane with thin black textured finish.



Optional headrest

### UPHOLSTERY

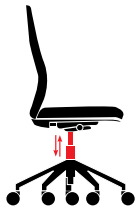
Seat available for all the fabrics range of Forma 5, including a wide range of fabrics (yarn, fireproof fabrics) and leathers. Backrest available with mesh or all the range of Forma 5 fabrics. Consult fabrics brochure and Forma 5 Pricelist. The Group 1, 2, 3 and 5 fabrics of Forma 5 are supplied by the 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

As standard, the chair goes assembled and protected with a plastic packing. For further packaging options, please ask 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 IS NECESSARY TO HAVE GOOD FURNITURE AND USE IT CORRECTLY.



## CHAIR WITH HEIGHT ADJUSTMENT

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 AND BACKREST LEANING

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 Motion synchro. This last one is a Forma 5 exclusive and it includes forward rotation axis that prevents for pressure on the user's legs.



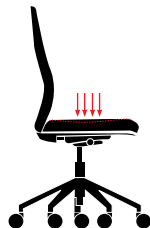
## LUMBAR ADJUSTMENT

Many chairs are designed with an adjustable back support. It is very suitable that this backrest may regulate the movements to the front and to the back, allowing to free or block the mechanism as desired. Many chairs also include a mechanism to adjust the chair curve to that of the back, providing a better comfort to the user.



## 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.



## 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.



## ADJUSTABLE ARMS

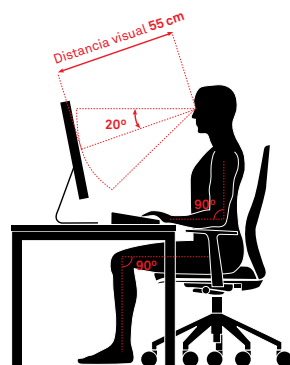
El apoyo de los brazos es fundamental para mantener una buena postura y no sobrecargar los brazos, además de servir para tomar asiento y levantarse del mismo.



## UPHOLSTERY

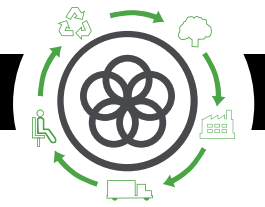
The upholstery should be chosen depending on the chair location and the environmental conditions.

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.





Life Cycle Analysis

**TOUCH PROGRAM**



RAW MATERIALS		
Raw Material	Kg	%
Steel	8,00	43
Plastic	5,60	30
Aluminium	1,76	10
Wood	2,45	13
Uphols./Fulling	0,64	4

% Recycled materials= 40%  
 % Recyclable materials= 96%

# Ecodesign

Results reached during the life cycle stages



**MATERIALS**

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

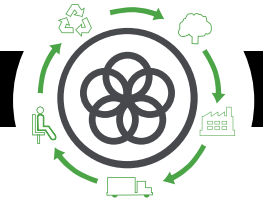
**Aluminium**  
 60% recycled material.

**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 pannels)

### Energy saving measures

in all production process

### COV global emission reduction

of the production processes by 70%.

### Podwer painting

ecovery of 93% of the non deposited painting

### 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 ans dangerous waste special treatment.



## TRANSPORT

### Cardboard use opmitization

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 guarantee

### The highest quality

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

### Useful life optimization

of the product due to a standarized and modular design.

### The boards

with no E1 particle emission.



## END LIFE

### Easy unpacking

for the recyclability or compound reuse.

### Piece standarization

for the use.

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

Wood is 100% recyclable.

Steel is 100% recyclable.

Aluminium is 100% recycable.

Plastics are from 70 to 100% recyclable.

### With no air or water pollution

while removing waste.

### Returnable, recyclable and reusable packing

### Product recyclability 96%

# 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 the dirty spot with a wet cloth with PH neutral soap.  
Test first on a hidden spot.
- 3 Dry foam for carpets can be alternatively used.

## 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.

## 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 cotton cloth.

# LEGAL TERMS

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## CERTIFICATES

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Forma 5 certifies that the Touch program has passed all tests provided by our intern Quality Department and by the Technological Research Center (CIDEMCO) with "satisfactory results:

UN E-EN 1335-1:2001: "Office furniture. Task chairs. Part 1: Dimensions. Defining the dimensions."

UN E-EN 1335-2:2001: "Office furniture. Task chairs. Part 2: Security requirements".

UN E-EN 1335-3:2001: "Office furniture. Task chairs. Part 3: Security tests".

Developped by JOSEP LLUSCÀ