Forma 5

TECHNICAL FEATURES

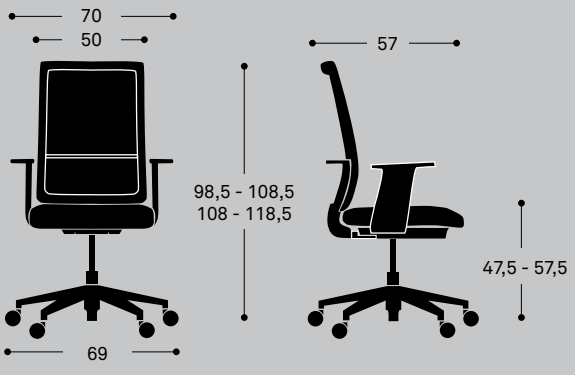
2K8

SWIVEL CHAIR | MESH BACKREST

DIMENSIONS

	Low backrest	High backrest	High backrest with headrest
Height	98,5 - 108,5 cm	108 - 118,5 cm	124 - 134 cm
Seat height	47,5 - 57,5 cm	47,5 - 57,5 cm	47,5 - 57,5 cm
Width (without arms / with arms)	50 / 70 cm	50 / 70 cm	50 / 70 cm
Depth	57 cm	57 cm	57 cm
Weight (without arms / with arms)	19,33 / 21,72 kg	21,21 / 23,60 kg	22,52 /24,90 kg
Fabric meters (wihout / with fabric)	3m	3,1 m	3,2 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

SWIVEL CHAIR | UPHOLSTERED BACKREST

Backrest
Upholstered foam with polyamide and polypropylene structure

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

Support
Polished aluminium and optional lumbar support

Sliding seat
Optional

Mechanism
Synchro Motion

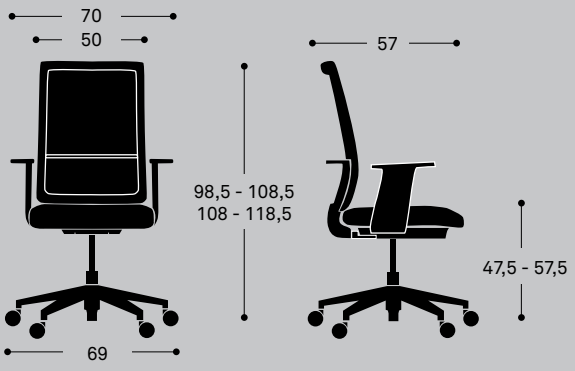
Base
Polyamide, polished aluminium and white star 69 base

Casters
Double wheel
Soft double wheel

DIMENSIONS

	Low backrest	High backrest
Height	98,5 - 108,5 cm	108 - 118,5 cm
Seat height	47,5 - 57,5 cm	47,5 - 57,5 cm
Width (without arms / with arms)	50 / 70 cm	50 / 70 cm
Depth	57 cm	57 cm
Weight (without arms / with arms)	25,25 kg	27,64 kg
Fabric meters (wihout / with fabric)	3m	3,1 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

VISITOR CHAIR | CANTILEVER

Frame
Shell made of polyamide exterio-
re reinforced with glass fiber

Backrest
Meci mesh, 3D Runner mesh or
Upholstered backrest

Brazo
Front leg extension
without armrest

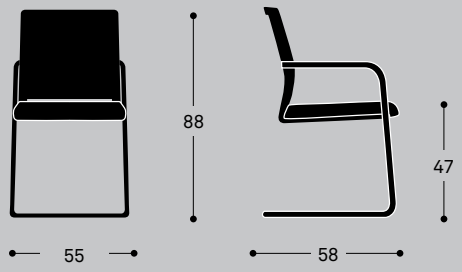
Seat
Upholstered polyurethane injected
foam over beech polylaminated
base

Structure
Chromeda
Black epoxy

Glide
With floor support glides
Without glides (for carpet)

DIMENSIONS

Height	88 cm
Seat height	47 cm
Width	55 cm
Depth	58 cm
Weight (mesh / uphosltery)	11,24 / 12,60 kg
Fabric meters (mesh / uphosltery)	1,5 m



Dimensions in centimeters

BACKREST

Rectangular shape with rounded edges and vertexes. Polyamide and polypropylene injected structure. Breathable Meci or 3D mesh (mesh option) or covered by an upholstered and injected foam density 70 kg/m^3 (upholstered option). The 2 mesh versions include an optional lumbar support, accessed from the back. The backrest is supported by a polished aluminium frame.


3D mesh backrest


Meci mesh backrest


Upholstered foam backrest

HEADREST

Optional height adjustable headrest (60 mm adjustment with 7 setpoints) and inclination (tilt angle 125º and 5 positions that increase or decrease 25 ° each) made of upholstered polyurethane foam. The headrest consists of a polyamide bracket and polypropylene plate incorporates a polyurethane foam density 70 kg/m^3 and is upholstered in the same fabric and color as the seat.


Optional headrest

SEAT

Formed by injected polypropylene shell, with textured external side. Inner tray to support the injected foam density 65 kg/m^3, later upholstered.


Polished aluminium support


Visitor chair

ARMS

The chair may be ordered without arms optionally. They have ergonomic qualities for a better rest of the arms. 5 options are offered:

Fixed: **Fixed**: Fixed arms with injected polyurethane foam and black polyamide structure.

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.

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


Fixed arm


1D adjustable arm


3D adjustable polyamide arm support

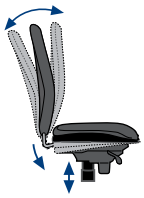

3D adjustable aluminium arm support


4D adjustable arm

MECHANISM [swivel chairs]

GAS: height adjustment by gas-lift.

SLIDING SEAT: optional seat depth adjustment for all the 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. 5 blocking positions of the backrest with anti-return protection. Discrete aesthetic that favors the chair.

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

VISITOR CHAIR

CANTILEVER: Ø 25 x 2,5 mm steel tube. Cushion effect seat structure. With polyamide glides or without them for carpets. Backrest with rectangular shape and rounded edges and vertexes. Breathable mesh upholstered (mesh option) or covered by an upholstered and injected foam (upholstered option). Seat with injected polypropylene shell, with textured outer side. Inner tray to support the injected foam, later upholstered.

Cantilever visitor chair structure

UPHOLSTERY

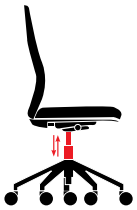
Backrest and seat available for all the fabrics range of Forma 5, including a wide range of fabrics (yarn, fireproof fabrics) and leathers Consult fabrics brochure and Forma 5 Pricelist. The Group 1, 2, 3 and 5 fabrics of Forma 5 are supplied by the manufacturer company Camira. Although our fabrics brochure 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 chair is delivered assembled and protected by a plastic case. Optional packing in a carton box. 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 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.

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.

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

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.

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.

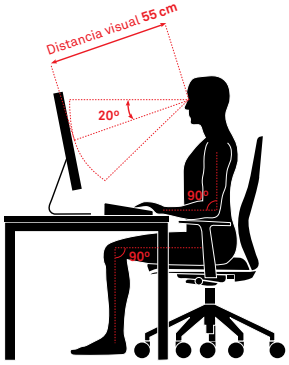
ADJUSTABLE ARMS

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 used 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
2K8 Programme

RAW MATERIALS		
Raw Material	Kg	%
Steel	7,75 KG	50%
Plastic	4,49 KG	29%
Wood	2,79%	18%
Uphols./Fulling	0,47 KG	3%

% Recycled materials= 53%
% Recyclable materials= 99%

Ecodesign

Results reached during the life cycle stages

MATERIALS

Wood
70% of the wood material is recycled, has PEFC/FSC and complies within the E1 standard.

Aluminium
60% recycled material.

Steel
15%-99% recycled material.

Plastic
30%-40% recycled material.

Paintings
Podwer painting without COV emissions

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 86%

CHAIR MAINTENANCE AND CLEANING GUIDE

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

FABRICS

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 alternativaly used.

PLASTIC PIECES

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

Do not use abrasive products in any case.

METAL PIECES

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.

LEGAL TERMS

CERTIFICATES

Forma 5 certifies that the 2K8 program has passed all tests provided by our intern Quality Department and the Technological Research Center (CIDEMCO) with satisfactory results:

UNE-EN 1335-1:2001: “Office furniture.Office chairs . Part 1: Dimensions: Defining the dimensions”
UNE-EN 1335-2:2001: “Office furniture.Chair offices . Part 2: Security requirements”
UNE-EN 1335-3:2001:”Office furniture. Office chairs . Part 3: Security tests”

Developed by JOSEP LLUSCÀ