Forma 5

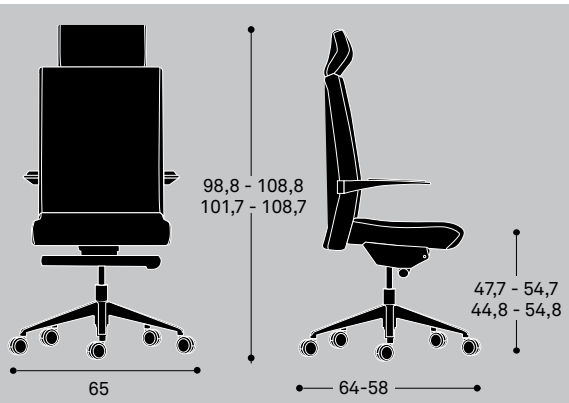
TECHNICAL FEATURES

e+

SWIVEL ARMCHAIR | HIGH BACKREST WITH HEADREST

DIMENSIONS

Height *	122 - 132,1 cm
Seat height *	41,5 - 51,6 cm
Width (with/witout arms)	52 / 60,5 cm
Depth	57 cm
Weight	32,98 kg
Fabric meters	2 m



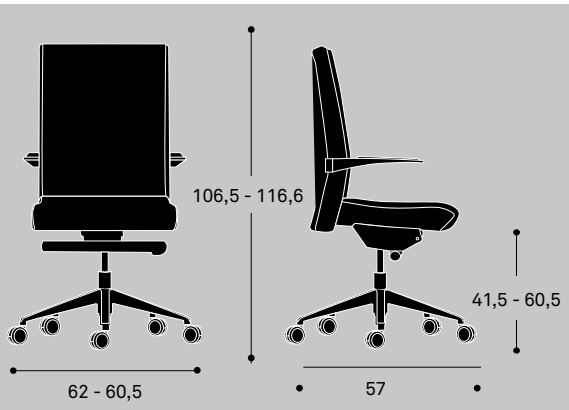
* These minimum and maximum dimensions depend on the chosen configuration (mechanisms, bases, casters...). Please ask for concrete values in case you need them.

Dimensions in centimeters

SWIVEL ARMCHAIR | HIGH - LOW BACKREST

DIMENSIONS

	High-backrest	Low-backrest
Height *	106,5 -116,6 cm	99,5 - 109,6 cm
Seat height *	41,5 - 51,6 cm	41,5 - 51,6 cm
Width (with/witout arms)	52 / 60,5 cm	52 / 60,5 cm
Depth	57 cm	57 cm
Weight	31,94 kg	31,55 kg
Fabric meters	1,9 m	1,8 m



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Dimensions in centimeters

CANTILEVER VISITOR ARMCHAIR

Backrest
Rounded tube interior with steel plates and
upholstered overinjected polyurethane foam

Armrest
With polyurethane flap

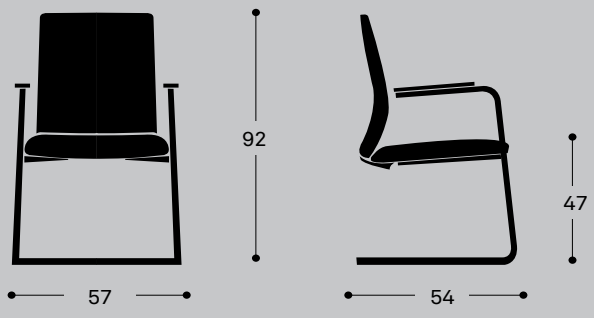
Cantilever structure
Chromed steel tube

Seat
Beech polylaminated wooden interior base,
upholstered polyurethane injected foam exterior

Anti-sliding glides
Polyamide or without glides
(for carpets)

DIMENSIONS

Height	92 cm
Seat height	47 cm
Width	57 cm
Depth	54 cm
Weight	14,5 kg
Fabric metres	1,6 m



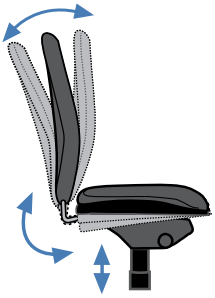
Dimensions in centimeters

BACKREST AND SEAT

BACKREST: square shape with rounded edges. 16 x 2 mm steel rounded inner tubes, reinforced with 6 mm thick steel crowns. 60 mm thick and 62 kg/m^3 overinjected polyurethane foam in an epoxy resin mould. Optional headrest for high backrest chairs with 11 mm thick steel rod inner structure. Upholstered with the same fabric than the backrest.

SEAT: upholstered seat with plateband around the whole perimeter except in the front part. The inside is made of 13 mm thick polylaminate beech wood. 50 mm thick and 66 kg/m^3 density polyurethane foam overinjected in an epoxy resin mould.

MECHANISM



SYNCHRO MOTION: 24° backrest inclination and 10° on the seat. Backrest inclination 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.

VISITOR CHAIR

CANTILEVER: backrest with square shape and rounded edges. 60 mm thick and 62 kg/m^3 overinjected polyurethane foam in an epoxy resin mould. Cushion effect seat structure made of chromed Ø 25 x 2,5 mm steel tube. Armpads with polyurethane pad. With polyamide glides or without them for carpets.

ARMS

Silver grey polished aluminium injected fixed arms. Black integral polyurethane armpads.

3D arms with polyamide structure reinforced with fiberglass and soft-touch polyurethane armrest. Easy adjustment of height, depth and turn.

3D arms with injected aluminium structure and polyurethane armpads. Easy adjustment of height, depth and turn.

4D arms with injected aluminium structure and polyuretano armpads. Easy adjustment of height, depth, width and turn.

FLOOR SUPPORT

Polyamide S tar base. 69 cm diameter. 5 trapezoidal branches with rounded corners.

Star base in polished aluminium 69 cm diameter. 5 trapezoidal branches with rounded corners.

2 floor support options:

Roulette double galet 65 mm

Roulette double galet sol dur 65 mm

Black polypropylene levellers

Glides for visitor chairs

UPHOLSTERY

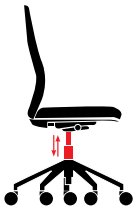
Backrest and seat available for all the fabrics range of Forma 5, including a wide range of fabrics (yarn, fireproof fabrics) and leathers Consult fabrics brochure and Forma 5 Pricelist.
The Group 1, 2, 3 and 5 fabrics of Forma 5 are supplied by the manufacturer company Camira. Although our fabrics brochure 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. Packing in an optional 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 IT IS NECESSARY TO HAVE GOOD FURNITURE AND KNOW HOW TO 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 desirable that the backrest may be regulated allowing either free movement or to block the mechanism as desired. Many chairs also include a mechanism to adjust the curvature of the back of the chair providing better comfort and lumbar support.

SEAT CONSISTENCY

We spend a long time on the seat, so it 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 stability and firmness, the base should have 5 support points for the casters.

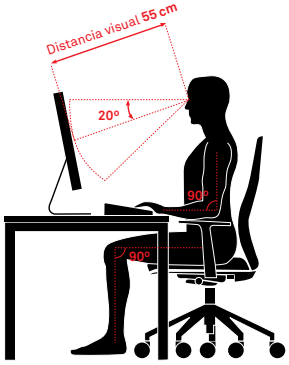
ADJUSTABLE ARMS

The user can enjoy several versions of the arm; fixed,1D,2D,3D and 4D.If arm rests are utilised they can help releive pressure on the lower spine.

UPHOLSTERY

The upholstery should be chosen depending on aesthetic,location and the environmental conditions under which the chair will be subjected to.

CONSIDERING THE ABOVE MENTIONED FEATURES, 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. Feet should rest firmly on the floor, having enough space below the desk.
4. Breaks should be done often for muscle stretching and moving. Users must change their position every once in a while.
5. Eyes should be rested often, so to avoid eyetstrain.
For example, focusing on different places and distant objects.

Life Cycle Analysis

E+ PROGRAMME

RAW MATERIALS		
Raw Material	Kg	%
Steel	6,83 Kg	28%
ALuminium	0,26 Kg	1%
Plastic	2,35 Kg	10%
Uphols./Fulling	8,91 Kg	25%
Wood	6,288 Kg	36%

% Recycled materials= 52%
% Recyclable materials= 65%

Ecodesign

Results reached during the life cycle stages

MATERIALS

Steel
15%-99% recycled material.

Plastic
30%-40% recycled material.

Aluminium
60% recycled material.

Staff material
Without HCFC and certified by Okotext.

Upholsteries
Without COV emissions and certified by Okotext.

Paintings
Powder 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 65%

CHAIR MAINTENANCE AND CLEANING GUIDE

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

FABRICS

1. Vacuum often.
2. Rub any stains with a wet cloth with PH neutral soap.
   Test first on a hidden spot.
3. Alternatively dry foam carpet cleaner can be used.

PLASTIC PIECES

Rub any dirty áreas with a wet cloth with PH neutral soap.

Never use abrasive products.

METAL PIECES

1. Rub any dirty areas with a wet cloth with PH neutral soap.
2. Polished aluminium pieces can have their lustre enhanced by rubbing with a dry cloth.

LEGAL TERMS

CERTIFICATES

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

UNE EN 13761: 2003: Office furniture. Visitor chairs.
UNE EN 1728: 2001 Home furniture. Test methods to determine the resistance and durability.
UNE EN 1022:2005 Home furniture. Seats. Stability determination.

Developed by FORMA 5