

Forma 5

TECHNICAL FEATURES

SENFOR



SWIVEL CHAIR | HIGH OR LOW BACKREST

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



Backrest

Outer polypropylene shell and upholstered high density polyurethane foam

Arms

Without arms

Fixed arms

1D adjustable arms

3D adjustable arms

4D adjustable arms

Seat

With injected and upholstered flexible polyurethane foam

Optional Sliding Seat

Mechanism

Synchro Atom (self adjustable)

Height backrest adjustment

Base

Polyamide Star D64 cm, polished aluminium Star D69 cm or white aluminium Star base D69 cm

Casters

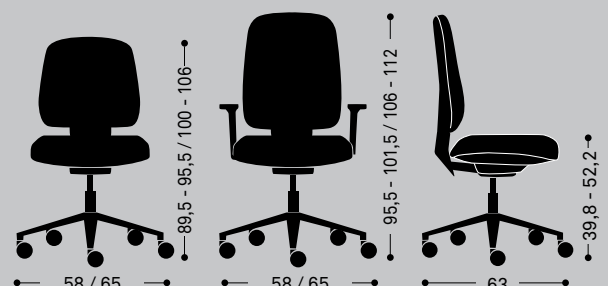
Hard or soft double wheel casters 50 or 65 mm (diameter according to base)



DIMENSIONS

	Low backrest	High backrest
Height* (with/without adjusted backrest)	89,5 - 95,5 / 100 - 106 cm	95,5 - 101,5 / 106 - 112 cm
Seat height *	39,8 - 52,2 cm	39,8 - 52,2 cm
Width (without arms / with arms)	58 / 65 cm	58 / 65 cm
Depth	63 cm	63 cm
Fabric meters	0,7 m	0,85 m
Weight (without arms / with arms)	15,553 / 16,841 kg	17,573 / 18,861 kg

* 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

BACKREST AND SEAT

BACKREST: backrest with rounded edges. Polypropylene structure, covered with high density polyurethane foam, 25 kg/m³, moulded with the front side upholstered. With a convex curvature for a better comfort. Polypropylene shell behind the backrest with a front ending to hide the structure.

SEAT: moulded and mechanized wooden structure to support the arms and the mechanism. 68 Kg/m³ density flexible overinjected and upholstered polyurethane foam on the wooden structure. Polypropylene shell underneath.



MECHANISM

SYNCHRO ATOM: rotation of the backrest relative to the seat, with the rotation center located above the seat surface, ensuring an optimal movement during the leaning. Height adjustment by a handle. The mechanism tension adapts automatically to the weight of the user (for people between 45 and 110 kg). The backrest may be fixed by using a handle. As option, there are five different positions to adjust the seat depth or Trasla.



ARMS

The chair may be ordered without arms optionally. They have ergonomic qualities for a better rest of the arms. 2 options are offered:

Fixed: Fixed: "T" shape polypropylene fixed arms.

1D adjustable: with polypropylene structure and polyurethane arm pads. 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 arm pads. 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

ELEMENT DESCRIPTION

BASE

POLYAMIDE STAR: 64 cm diameter. 5 trapezoidal branches with rounded corners.

POLISHED ALUMINIUM OR WHITE ALUMINIUM STAR: Star base in polished aluminium 69 cm diameter. 5 trapezoidal branches with rounded corners. Finishes in aluminium or polar white.



Star 64 base



Polished aluminium pyramidal base



White painted aluminium pyramidal base

FLOOR SUPPORT

For star 64 base



50 mm double wheel casters



50 mm soft double wheel casters

For star 69 and pyramidal base



65 mm double wheel casters



65 mm soft double wheel casters

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 all the range of Forma 5 fabrics. Consult fabrics brochure and Forma 5 Pricelist.

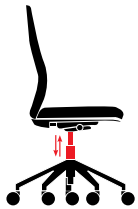
The Group 1, 2, 3 and 5 fabrics of Forma 5 are supplied by the manufacturer company Camira. Although our fabrics brochure includes a selection of the Camira fabrics, if the customer requires another specific, Forma 5 will upholster any of its fabrics in any fabric from Camira catalog.

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 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.



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 Atom synchro. This last one is a Forma 5 exclusive and it self-adjusts to the user's weight



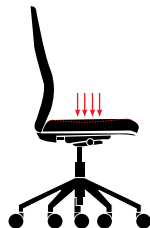
LUMBAR ADJUSTMENT

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.



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.



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.



ADJUSTABLE ARMS

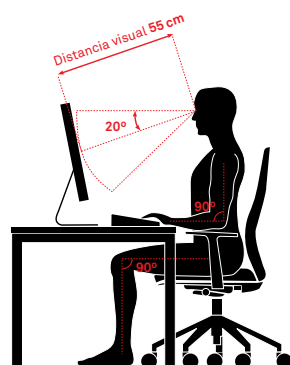
The user can enjoy several versions of the arm; fixed, 1D, 2D, 3D and 4D. If arm rests are utilised they can help relieve pressure on the lower spine.



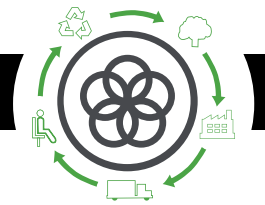
UPHOLSTERY

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 eyestrain. For example, focusing on different places and distant objects.



Life Cycle Analysis

SENFOR PROGRAMME



RAW MATERIALS		
Raw Material	Kg	%
Steel	9,18 Kg	45%
Plastic	4,69 Kg	23%
Aluminium	3,26 Kg	16%
Wood	2,45 Kg	12 %
Uphols./Fulling	0,81 Kg	4 %

% Recycled materials= 49%
 % Recyclable materials= 94%

Ecodesign

Results reached during the life cycle stages



MATERIALS

Steel
 15%-99% recycled material.

Aluminium
 60% recycled material.

Plastic
 30%-40% recycled material.

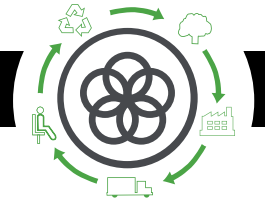
Wood
 Woods with 70% recycled material and certified with PEFC/FSC and E1.

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 94%

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 alternatively 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 cotton cloth.

Developed by R&D FORMA 5