

Forma 5

TECHNICAL FEATURES

DOT. PRO



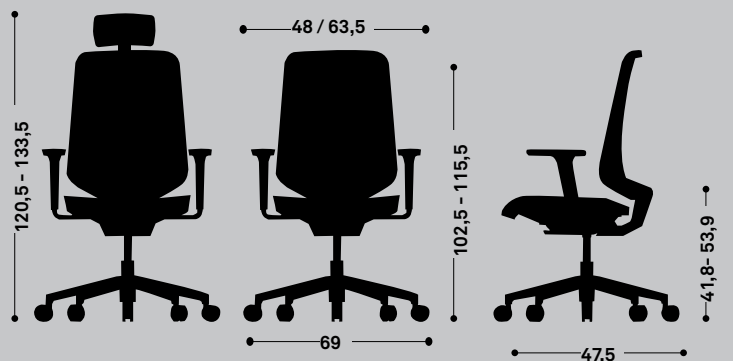
DOT. PRO | MECI OR WEB MESH BACKREST



DIMENSIONS

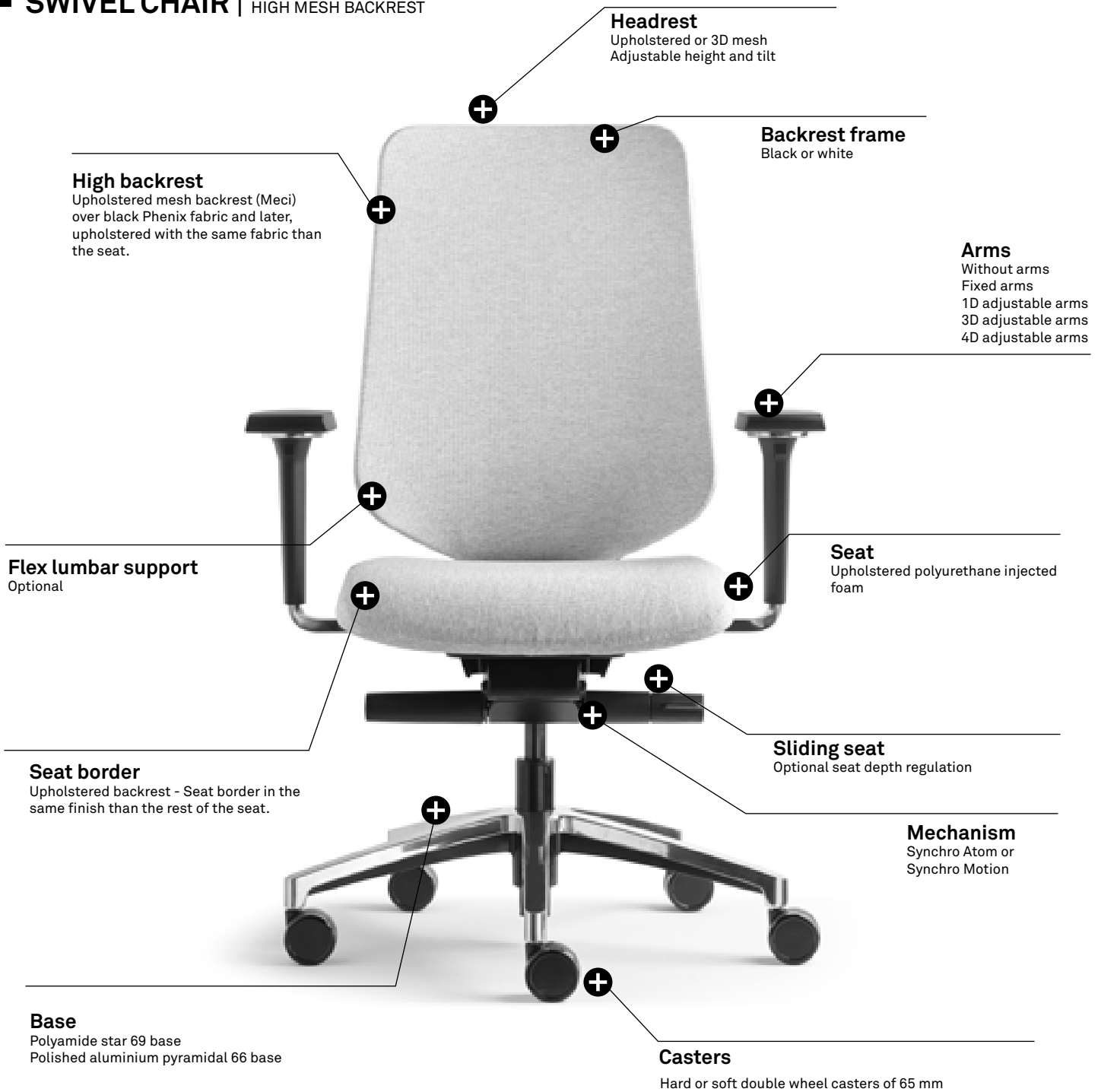
	Without headrest	With headrest
Height	102,5 - 115,5 cm	120,5 - 133,5 cm
Seat height	41,8 - 53,9 cm	41,8 - 53,9 cm
Width (without arms / with arms)	48 / 63,5 cm	48 / 63,5 cm
Depth	47,5 cm	47,5 cm
Weight	11,071 / 12,93 kg	11,071 / 12,93 kg
Fabric meters	0,6 m	0,6 m

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



Dimensions in centimeters

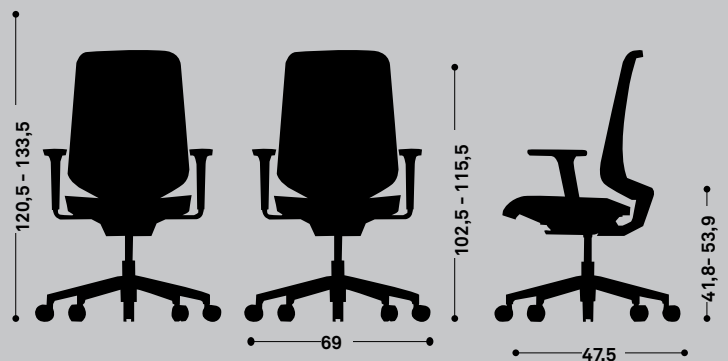
SWIVEL CHAIR | HIGH MESH BACKREST



DIMENSIONS

	Without headrest	With headrest
Height	102,5 - 115,5 cm	120,5 - 133,5 cm
Seat height	41,8 - 53,9 cm	41,8 - 53,9 cm
Width (without arms / with arms)	48 / 63,5cm	48 / 63,5cm
Depth	47,5 cm	47,5 cm
Weight	11,071 / 12,93 kg	11,071 / 12,93 kg
Fabric meters	0,8 m	0,8 m

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Dimensions in centimeters

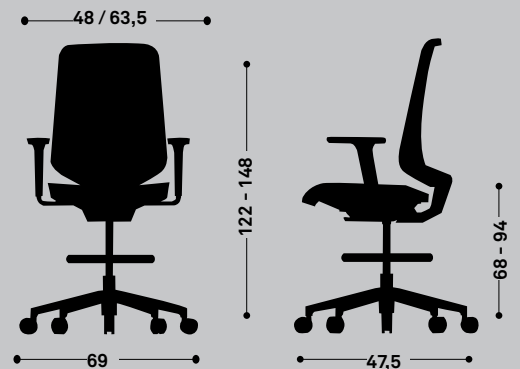
DOT. PRO | MECI OR WEB MESH BACKREST



DIMENSIONS

Height	122 - 148 cm
Seat height	68 - 94 cm
Width (without arms / with arms)	48 / 63,5 cm
Depth	47,5 cm
Weight	11,071 / 12,93 kg
Fabric meters	0,6 m

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



Dimensions in centimeters

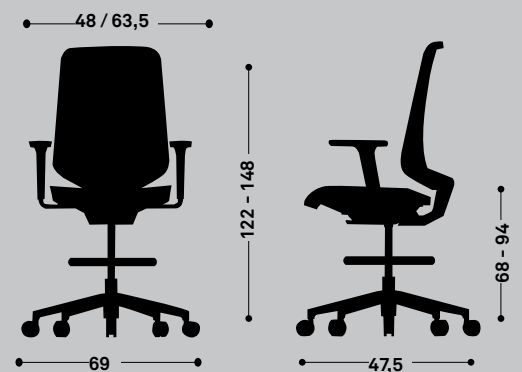
SWIVEL CHAIR | HIGH MESH BACKREST



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Dimensions in centimeters

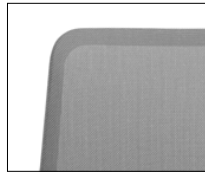
ELEMENT DESCRIPTION

BACKREST

Light and flexible, with a polygonal form, with rounded corners and edges, slightly elongated in the vertical line. Made from polypropylene and fiberglass.

Upholstery with breathable technical mesh Web or upholstered with fabric over black Meci mesh (upholstered mesh option).

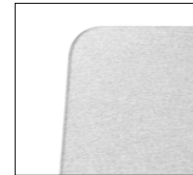
Option: upholstered or 3D mesh headrest height and inclination adjustable.



Meci or Web mesh backrest



3D Runner mesh backrest



Upholstered Meci mesh backrest



Optional headrest

SEAT

Formed from a polypropylene structural shell, textured on the outside, that serves as support for the injected polyurethane foam 62kg/m³ and upholstered with a border. This seat border is customizable according to the type of chair chosen:

- For chairs with backrest in Meci mesh, the seat border is in black Runner 3D mesh.
- For chairs with backrest in Web or Runner 3D mesh, the seat border is the same as the backrest.
- For chairs with upholstered mesh, the seat border is in the same fabric than the seat.

The seat has 5 different depth settings.



Border of the seat



Structure and backrest support

FLEX LUMBAR SUPPORT

Formed from a single piece of polypropylene that crosses the backrest transversely, with height adjustability of flexible slats that provide a more uniform support (spring type) avoiding the lumbar pressure experienced on rigid systems.



Flex lumbar support

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.

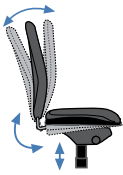
ELEMENT DESCRIPTION

MECHANISM

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



SYNCHRO ATOM: The backrest moves in a ratio to the seat pan. The pivot centre has been located above the seat surface near the user's hips and this guarantees the optimum feeling of comfort and movement. There are 5 back locking positions. There are multiple settings of the seat height via a paddle. The mechanism regulates itself automatically responding to the user's weight (for people between 45 and 110 kg). The backrest can be locked off by pulling a handle beneath the seat and can obviously be reversed by pushing it in.



SYNCHRO MOTION: A 24 degree back displacement will alter the angle of the seat by 10 degrees. When reclining on the backrest the seat will follow in the ratio 2.4:1. The torque adjustment is quick and simple with just two turns of the throttle style handle; ideal for users between 45 and 120 kg to get optimum support. The forward tilt of the seat pan relieves pressure on the users legs. There are 5 locking back settings. Overall the mechanisms are discreetly integrated into the design of the chair.

BASE

POLYAMIDE STAR: 64 or 69 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.



Polyamide star D69cm base



Polished aluminium star D69cm base



White painted aluminium star D69cm base

FLOOR SUPPORT

2 floor support options:



Roulette double galet 65 mm



Roulette double galet sol dur 65 mm

UPHOLSTERY

The seat can be upholstered using all the fabric ranges at Forma 5, including a wide range of fabrics (yarn, fireproof fabrics). Backrest available in mesh or Groups 1, 2 or 3 of the range of Forma 5 fabrics. Please consult the fabrics brochure and Forma 5 Pricelist.

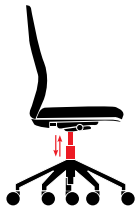
Groups 1, 2, 3, 4 and 5 fabrics from Forma 5 are supplied by Camira or Gabriel. Although our fabrics brochure includes a selection of the Camira fabrics, if the customer requires another we will organise the procurement and specification of any fabric from the Camira range.

PACKING

As standard, the chair comes 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



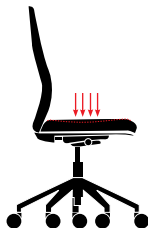
LUMBAR ADJUSTMENT

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

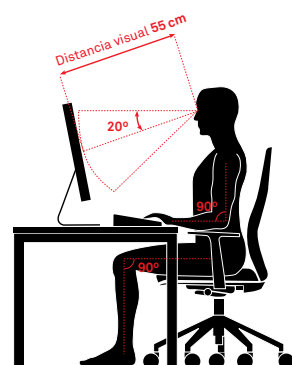
The user can enjoy several versions of the arm; fixed, 1D, 2D, 3D and 4D. If arm rests are utilised they can help relieve pressure on the lower spine.



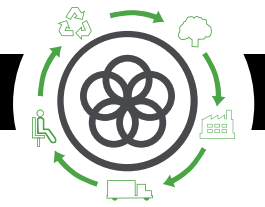
UPHOLSTERY

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

DOT.PRO PROGRAMME



RAW MATERIALS		
Raw Material	Kg	%
Steel	5,14 Kg	46,1 %
Plastic	4,78 Kg	42,9 %
Uphols./Fulling	1,24 Kg	11,1 %

% Recycled materials= 18%
 % Recyclable materials= 63,6%

Ecodesign

Results reached during the life cycle stages



MATERIALS

Steel
 15%-99% recycled material.

Aluminium
 60% recycled material.

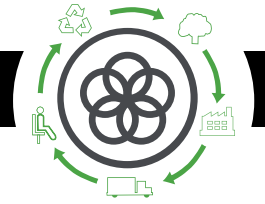
Plastic
 30%-40% recycled material.

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 63,6%

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 areas 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.

CERTIFICATES

Forma 5 certifies that the Dot.Pro program has passed all tests provided by our intern Quality Department, as well as the Technological Research Center (TECNALIA) with "satisfactory" results:

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

UNE-EN 1335-2-2009: Office furniture. Task chairs for offices. Part 2: Security requirements.

UNE-EN 1335-3-2009: Office furniture. Task chairs for offices. Part 3: Security testing methods.

Developed by JORGE HERRERA