

Forma 5

TECHNICAL FEATURES

THEUS



SWIVEL ARMCHAIR | LOW BACKREST

Shell

Inner metal tube structure

Arm

Double layer silver gray
Chromed fixed
Both with polyurethane
armrest

Mousse

Polyurethane injectée
haute densité

Gas

Gas elevation with cushion effect

Tilting mechanism

Base

Polyamide star D64 cm base
Polished aluminium star D69 cm base

Casters Ø 5/6,5 cm

Double wheels
Soft double wheels



DIMENSIONS

Height	87,1-97,6 cm
Seat height	41,1 - 51,6 cm
Width	63 cm
Depth	53 cm
Weight (without / with arms)	18,53 kg
Fabric meters	1,6 m



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

Dimensions in centimeters

SWIVEL ARMCHAIR | HIGH BACKREST

Shell

Inner metal tube structure

Arm

Double layer silver gray
Chromed fixed
Both with polyurethane
armrest

Gas

Gas elevation with cushion effect

Base

Polyamide star D64 cm base
Polished aluminium star D69 cm base

Mousse

Polyurethane injectée
haute densité

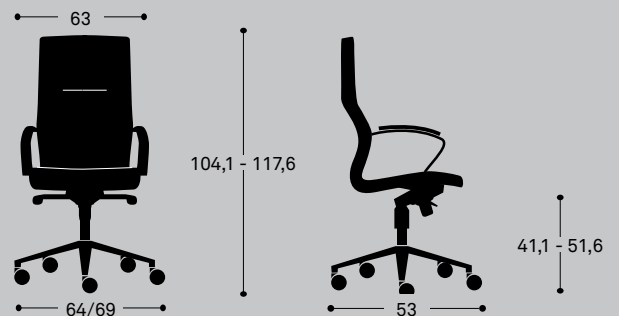
Tilting mechanism

Casters Ø 5/6,5 cm

Double wheels
Soft double wheels

DIMENSIONS

Height	104,1 - 117,6 cm
Seat height	41,1 - 51,6 cm
Width	63 cm
Depth	53 cm
Weight (without / with arms)	19,95 kg
Fabric meters	1,7 m



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

Dimensions in centimeters

FIXED ARMCHAIR | CANTILEVER VISITOR CHAIR

Shell

Inner metal tube structure

Armrests

Polyurethane with curved shapes and screwed to the structure

High-density injected foam

Built-in arms

Polyamide slidings

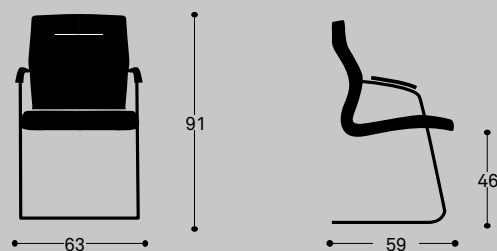
With or without glides (for carpet)

Tube structure

25 x 2,5 mm double "S" shape cantilever

DIMENSIONS

Height	91 cm
Seat height	46 cm
Width	63 cm
Depth	59 cm
Weight	14,16 kg
Fabric meters	1,6 m



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

Dimensions in centimeters

ELEMENTS DESCRIPTION

SHELL

The interior of the Theus armchair is formed by a perimeter structure made by $\varnothing 16 \times 1,5$ steel tube, reinforced by transverse 4 and 5 mm thick plates. The group is overinjected with 65 kg/m³ density polyurethane foam mould and 60 mm average thick. Later is upholstered and the final group is a high resistance and comfort armchair.



Shell structure for seat and backrest

ARMS

Always fixed. Polished plate or double layer painted and cromed joining seat and backrest. Finished with an armrest.



Metal arms with polyurethane flap

MECHANISM [swivel chairs]

GAS: height adjustable by gas-lift according to the legal terms of DIN 4550. The lift is activated by a leveller placed below the seat.



TILTING: the tilting mechanism allows the leaning of the backrest, keeping a constant angle between seat and backrest. Seat height adjustment by leveller for an optimal adjustment. Backrest leaning adjustment until 13,5°, fixed in the desired position activating the leveller downwards. Backrest leaning hardness adjustment, that is the force to move it.

BASE

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

POLISHED ALUMINIUM: star base in polished aluminium 69 cm diameter. 5 trapezoidal branches with rounded corners.



Star 64 base



Polished aluminium star base

FLOOR SUPPORT

For star 64 base:



50 mm double wheel casters



50 mm soft double wheel casters



65 mm double wheel casters



65 mm soft double wheel casters

For star 69 base:

ELEMENT DESCRIPTION

VISITOR CHAIR

The visitor chairs of this programme are based on the structure, foams and upholsteries of the low backrest with the following structure:

Cantilever visitor chair: 25 x 2,5 mm double “S” shape steel tube. Cushioning effect. Floor support with polyamide anti-sliding pieces. Optionally the chair may be delivered without these supports when they are going to be placed in floors with carpet. Polyurethane armrests with curved shapes and screwed to the structure.



Cantilever visitor chair

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.

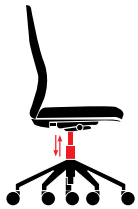
The Group 1, 2, 3 and 5 fabrics of Forma 5 are supplied by the manufacturer company Camira. Although our fabrics brochure includes a selection of the Camira fabrics, if the customer requires another specific, Forma 5 will upholster any of its fabrics in any fabric from Camira catalog.

PACKAGING

The chair goes assembled and protected with a plastic packing. Optional cardboard packing. 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.



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 tilt system is very extended.



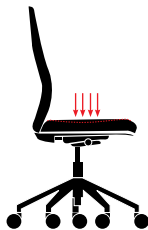
LUMBAR ADJUSTMENT

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

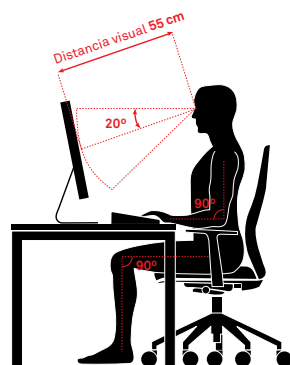
We spend a long time on the seat, so it should provide firmness and adapt to the user's features. Both the high density foam and the injected foam are very resistant, durable and comfortable.



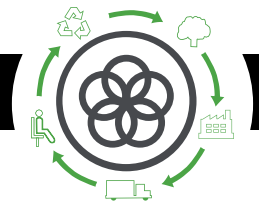
UPHOLSTERY

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
THEUS PROGRAM



RAW MATERIALS		
Raw Material	Kg	%
Steel	14,58 Kg	72%
Plastic	0,6 Kg	3%
Aluminium	1,83 Kg	9%
Uphols./Fulling	3,24 Kg	16 %

% Recycled materials= 31%
 % Recyclable materials= 69%

Ecodesign

Results reached during the life cycle stages



MATERIALS

Steel
 15%-99% recycled material.

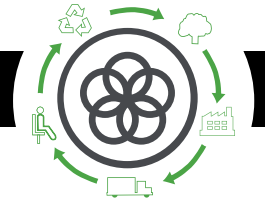
Aluminium
 60% recycled material.

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%.

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 and dangerous waste special treatment.



TRANSPORT

Cardboard use optimization

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 provides a 2 year guarantee

and up to 10 years for big projects.

The highest quality

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

Useful life optimization

of the product due to a standardized and modular design.



END LIFE

Easy unpacking

for the recyclability or compound reuse.

Piece standardization

for the use.

Recycled materials used for products (% recyclability):

Steel is 100% recyclable.

Aluminium is 100% recyclable.

Plastics are from 70 to 100% recyclable.

With no air or water pollution
while removing waste.

Returnable, recyclable and reusable packing

Product recyclability 69%

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.

LEGAL TERMS

CERTIFICATES

Forma 5 certifies that the Theus 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 FORMA 5