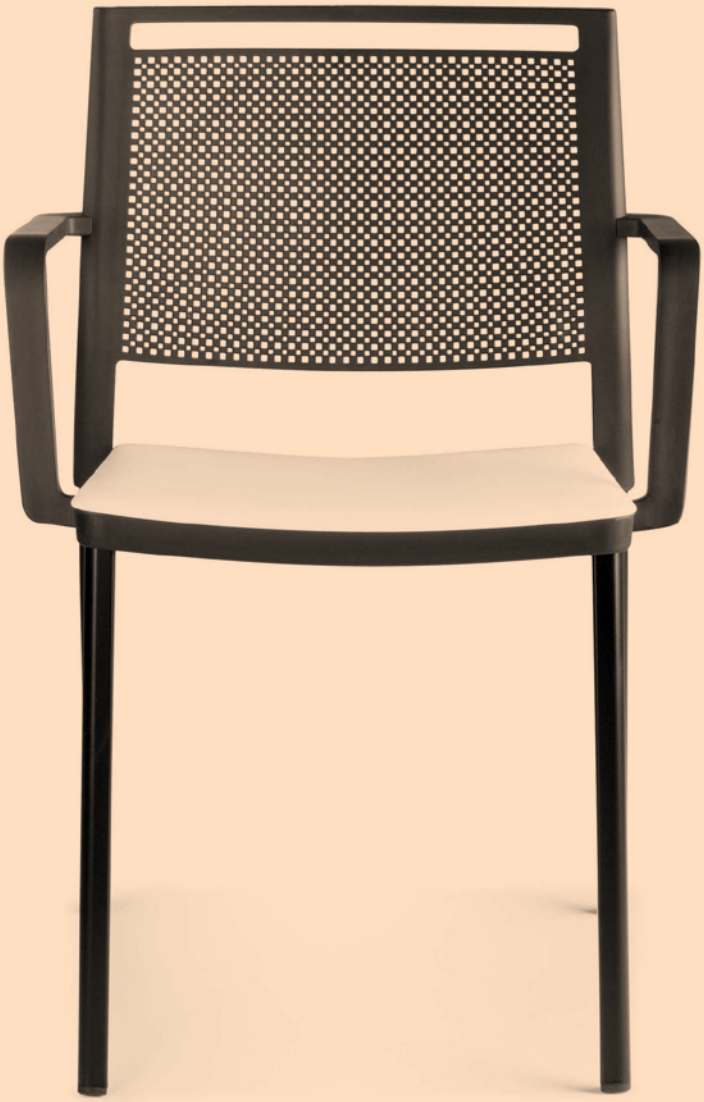
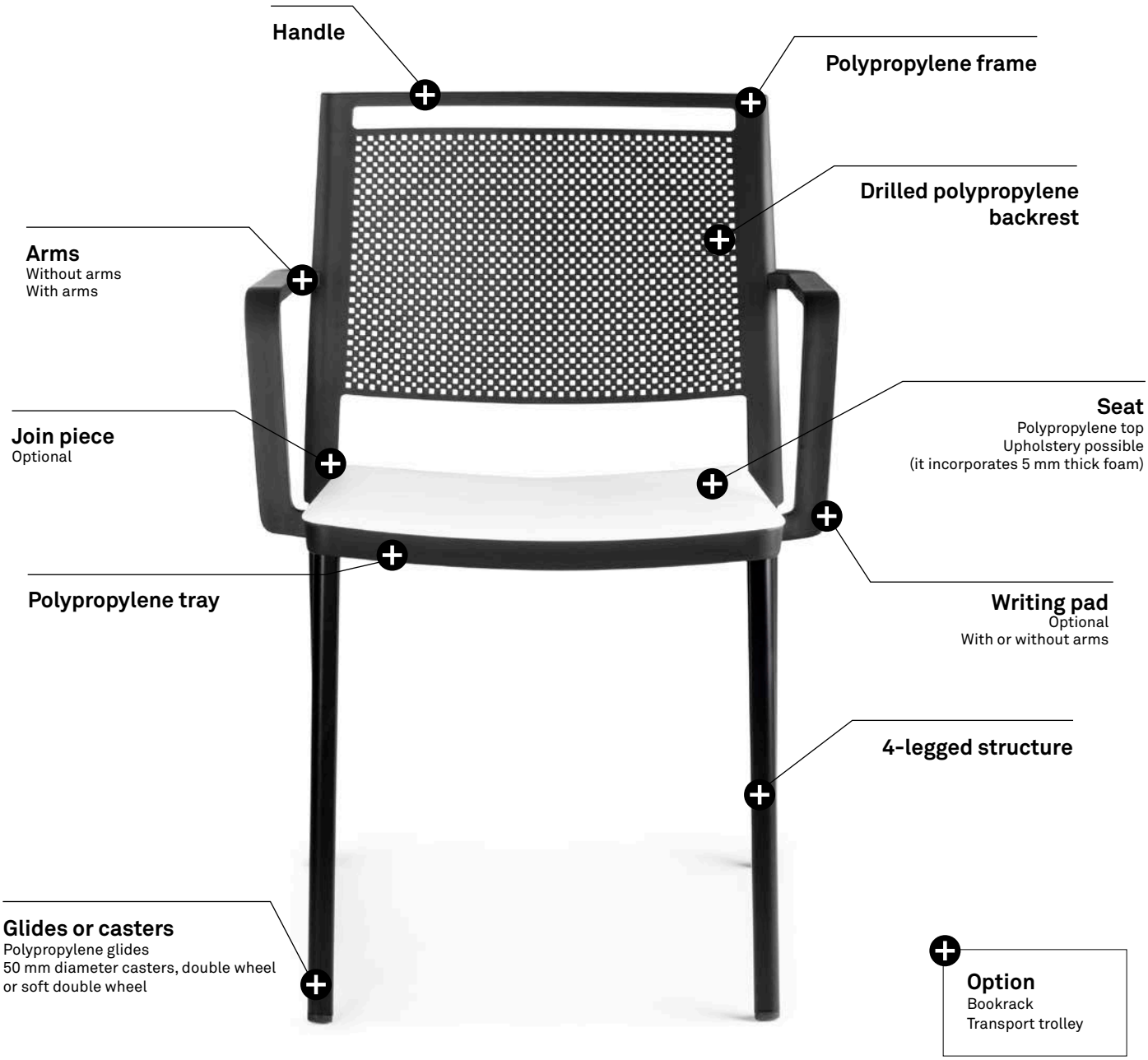
Forma 5

TECHNICAL FEATURES

KOOL

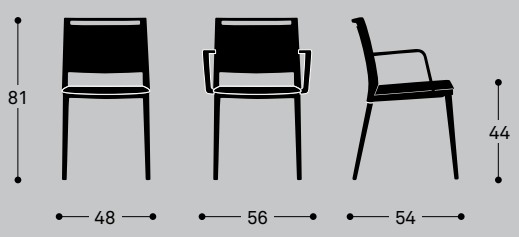


STATIONARY CHAIR | 4-LEGGED



DIMENSIONS

Height	**81** cm
Seat height	**44** cm
Width (without arms / with arms)	**48 / 56** cm
Depth	**54** cm
Weight (without arms / with arms / with pad)	**6,26 / 6,71 / 7,09** kg
Fabric meters	**0,5** m



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

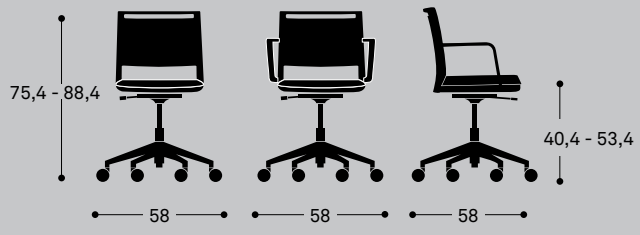
5 10 8

Dimensions in centimeters

SWIVEL CHAIR AND DRAUGHTSMAN

DIMENSIONS

Height	**75,4 - 88,4** cm
Seat height	**40,4 - 53,4** cm
Width (without arms / with arms)	**58 / 58** cm
Depth	**58** cm
Weight (without arms / with arms)	**10,52 / 10,97** kg
Fabric meters	**0,5** m



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

Dimensions in centimeters

PROGRAMME

Kool programme is availble with 4-legged structure, with or without casters or as swivel chair with D64 cm polyamide star base.

BACKREST

Backrest formed by a 20 mm average thick polypropylene frame which incorporates in the central part, in contact with the user's back, a 6 mm thick polypropylene frame. This is finer to increase the flexibility and to facilitate a more comfortable use. Besides this, it incorporates a squares drilled mould, alternating two sizes to achieve a lighter structre. On the other hand, the upper part has a space that works as a handle, facilitating the chair transportation. The group is fitted in the metal structure that works as chair support.

SEAT

The structure is formed by a 5 mm thick average polypropylene tray that is fixed with clips to the metal structure that works as chair support. Over this tray, a polypropylene flap which is the seat of the char is fixed with 8 screws, if desired, the chair can be upholstered. The upholstered flap incorporates a 5 mm thick foam layer and the fabric is stapled.

STRUCTURE

4-LEGGED: the Kool programme incorporates a 4-legged structure formed by a 22 x 24 x 2 mm semi-oval steel tube. The glides are black, semi-oval shape and 7 mm height. Stackable structure in 5 units without transport trolley, 10 chairs without arms with the transport and 8 chairs with arms and with the transport.

4-LEGGED WITH CASTERS: structure formed by straight frontal and back legs with a curve that allows the assembly of 4 casters with 50 mm diameter and 50 kg load capacity. The casters may be ordered in it double wheel version or soft double wheel that avoid the scratches on the delicate structures. These chaises allow stackability until 4 units.

SWIVEL CHAIR: polyamide Star base. 64 cm diameter. 5 trapezoidal branches with rounded corners. Swivel chairs are provided with a gas lift for height adjustment.

ARM AND WRITING PAD

ARM optional made in 18 mm average thick polypropylene joined to the seat and to the backrest by screws. The arm finish is the same that the chosen one for the backrest and for the structure-support of the seat. The height of the arm from the seat is 200 mm.

WRITING PAD with 13 mm thick kompress board with a 220 x 335 mm writing surface. The anti-panic aluminium mechanism allows to place the writing surface on an horizontal and vertical position. Its locks is located in the lateral side of the user. Possibility to choose the mechanism with turn in the left and the right. The ergonomics of the pad allows the leaning adapting to the needs of the user. The distance of the user to the board may be adjusted as well. Board with grey finish, with black edge and mechanism knot double layer silver grey. The pad allows the chair stackability.

FLOOR SUPPORT

4-legged stationary chairs:

Glides

Double wheel caster Ø 50 mm

Soft double wheel Ø 50 mm

Swivel chairs:

Double wheel caster Ø 50 mm

Soft double wheel Ø 50 mm

Levellers

BOOKRACK

5 mm diameter steel rod bookrack. Easy placement, just hanging it from the seat. It rests hanged from the seat by a fitting screwed to the shell. The chaises with bookrack are not stackable.

TROLLEY

For stack chairs is made of polypropylene injection mould, 99 x 58 x h:50 cm. It includes 4 casters, 2 of them with locking mechanism, made of galvanized steel sheet.

PACKING

As standard, the chair goes assembled and protected with a plastic packing. For further packaging options, please ask us.

UPHOLSTERY

Seat and backrest available for all the fabrics range of Forma 5, including a wide range of fabrics (yarn, fireproof fabrics) and leathers. 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.

Life Cycle Analysis
Program KOOL

RAW MATERIALS		
Raw Material	Kg	52%
Steel	3,9 Kg	52%
Plastic	3,48 Kg	46%
Staff material	0,16 kg	2%

% Recycled materials= 22%
% Recyclable materials= 98%

Ecodesign

Results reached during the life cycle stages

MATERIALS

Aluminium
60% recycled material.

Steel
15%-99% recycled material.

Plastic
30%-40% recycled material.

Upholsteries
Without COV emissions and certified by Okotext.

Staff material
Without HCFC 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% recyclable.

With no air or water pollution
while removing waste.

Returnable, recyclable and reusable packing

Product recyclability 98%

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

CERTIFICATE

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

UNE-EN 16139:20133: “Furniture - Strength, Durability And Safety - Requirements For Non-Domestic Seating”
UNE-EN 1022:2005: Home furniture. Seats. Stability determination.
UNE-EN 1728:2013 : “Furniture Seating Test methods for the determination of strength and durability

Developped by JOSEP LLUSCÀ