Forma 5

TECHNICAL FEATURES
HEXA

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

Cable management
Sliding top
Top access
Grommet

Top
25 mm melamine

Hexagonal aluminium legs

Steel beams
70 x 40 x 1,5 mm
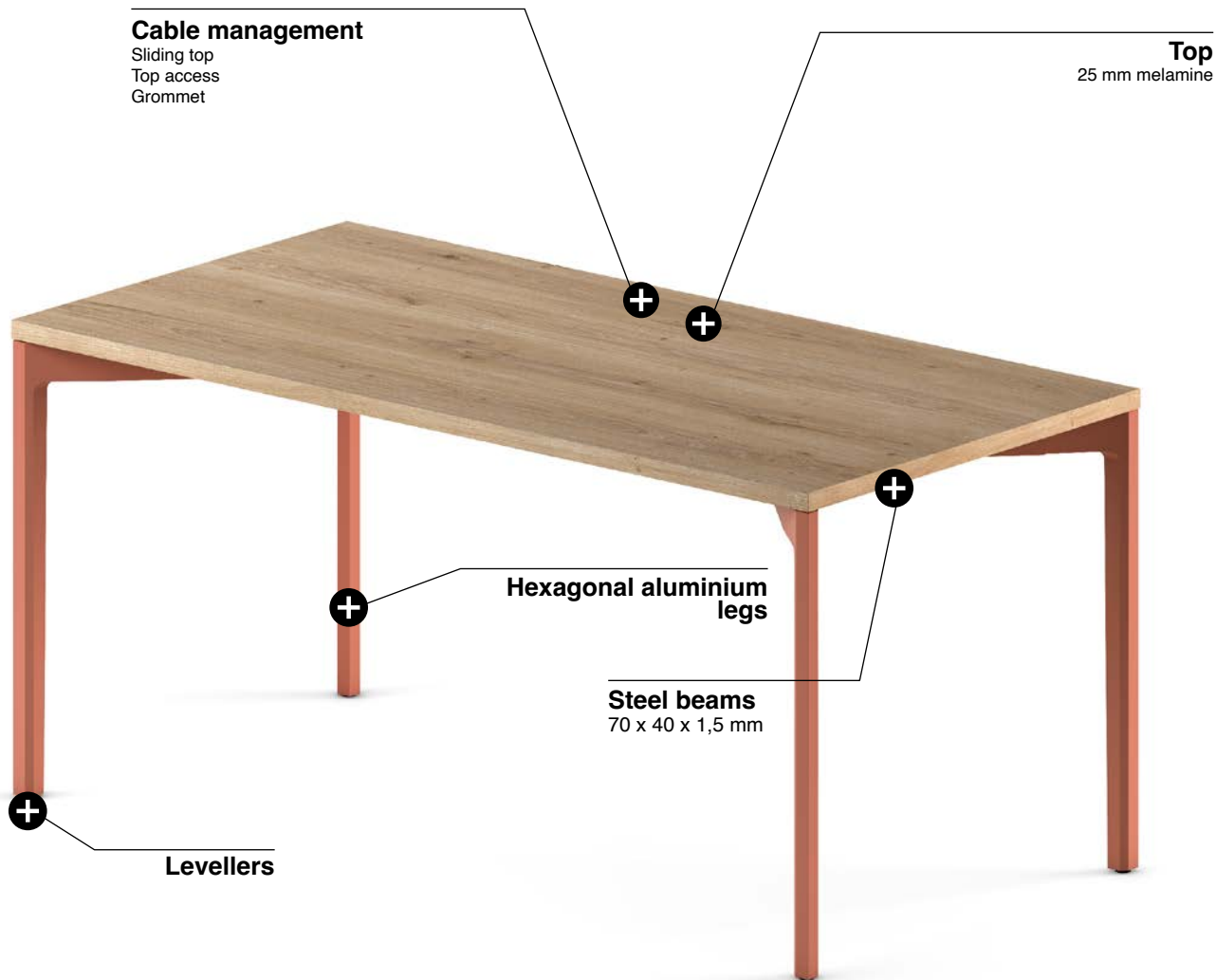
Levellers

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

Hexagonal 3-workstations
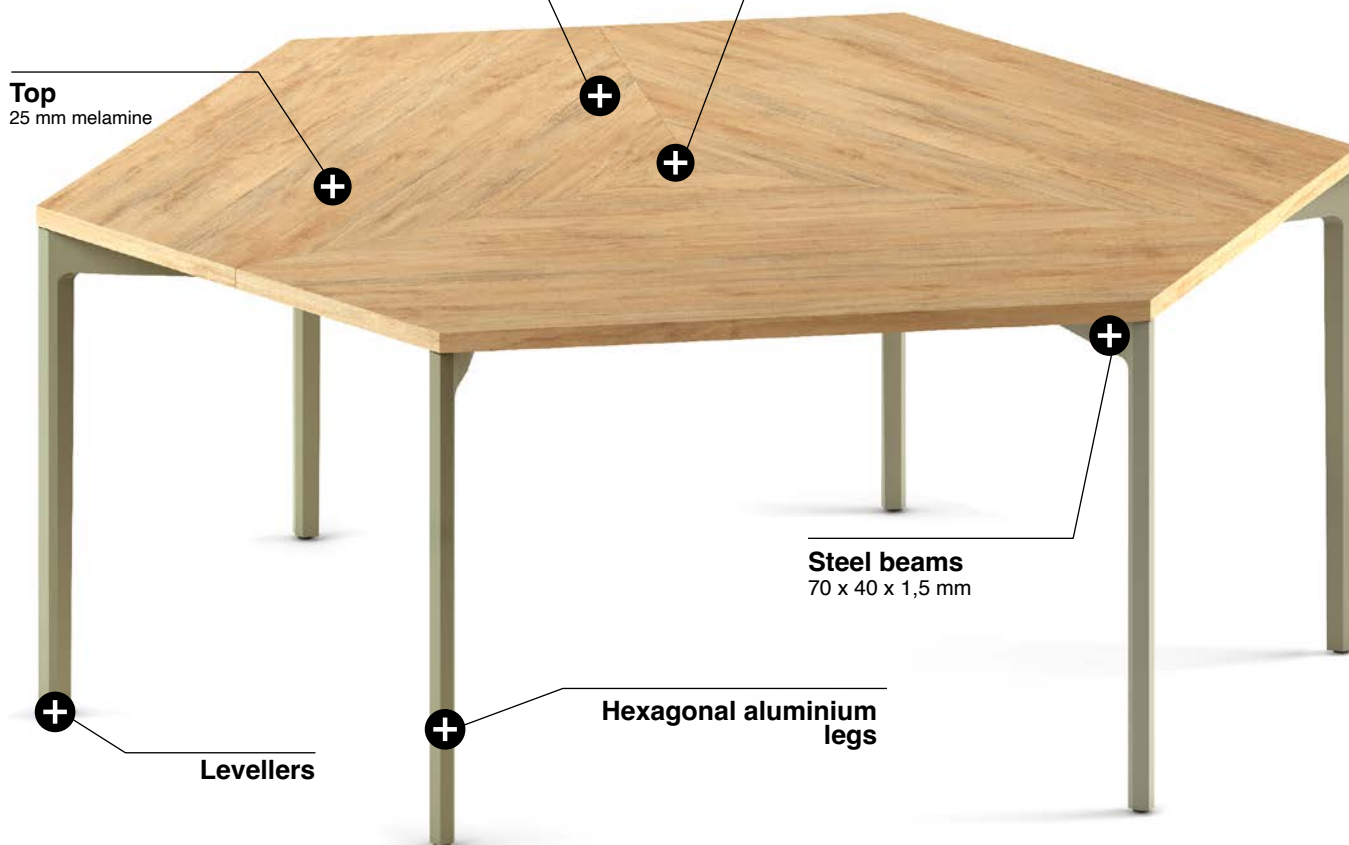With/without tray for cable management

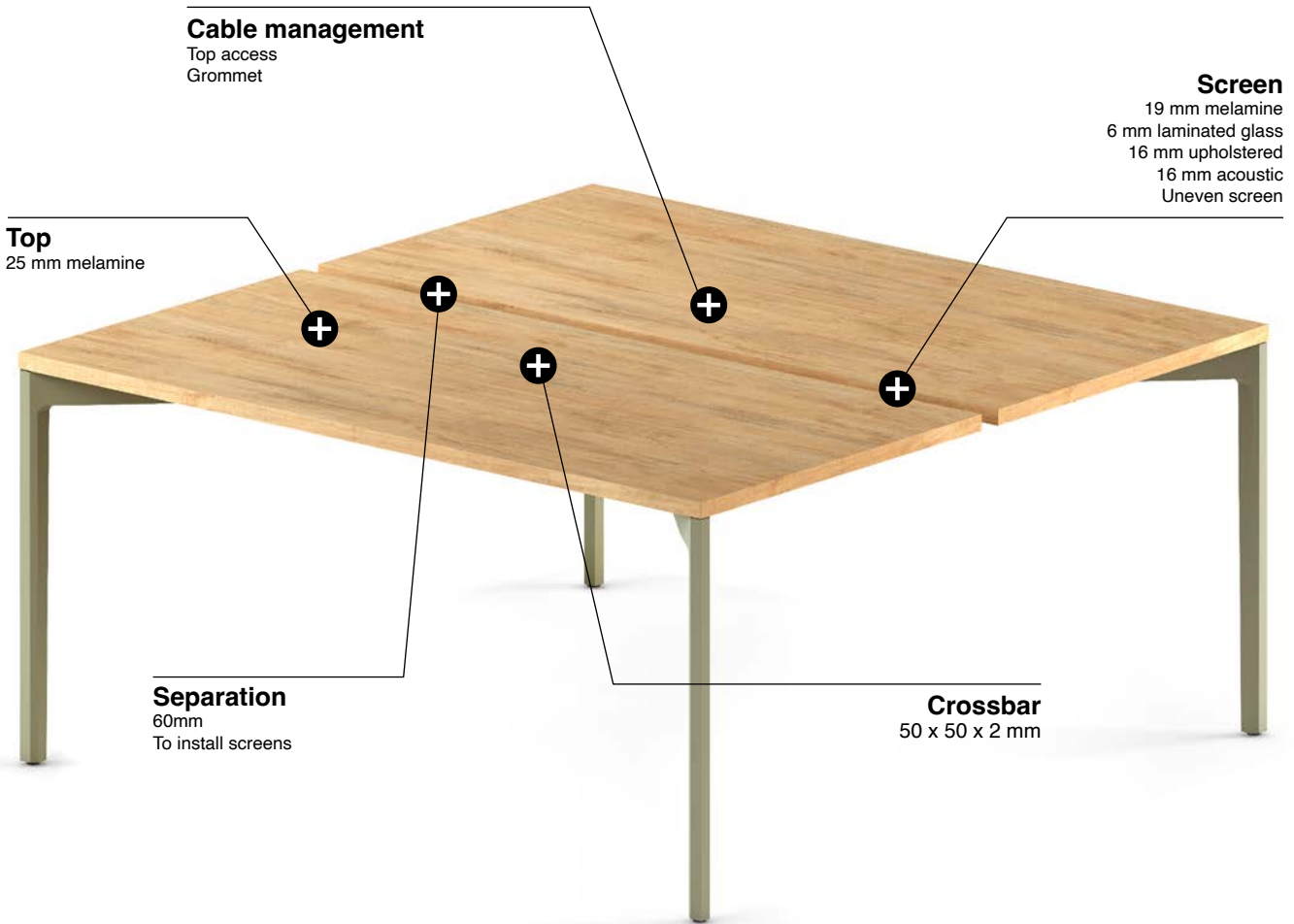**Cable management**
Top access

Top
25 mm melamine

Steel beams
70 x 40 x 1,5 mm

Hexagonal aluminium legs
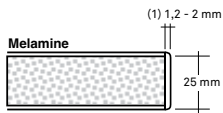
Levellers

Cable management
Top access
Grommet

Screen
19 mm melamine
6 mm laminated glass
16 mm upholstered
16 mm acoustic
Uneven screen

Top
25 mm melamine

Separation
60mm
To install screens

Crossbar
50 x 50 x 2 mm

BOARD

Melamine

(1) 1,2 - 2 mm

25 mm

TOP: 25 mm thick melamine particle board. 2 mm thick thermofused edges around the perimeter. Drilled underneath to allow a correct assembly. The quality requirements for the board are made according to the UNE-EN 312 legal terms, corresponding to P2 board. The average 25 mm thick board density is 595 kg/m^3.

STRUCTURE: mixed structure made of a beam or two depending on the dimensions of the table and mixed frames made of aluminum crossbars and legs.

BEAMS: 70 x 40 x 1.5 mm rectangular E220 steel tube hot rolled and pickled with 100 micron epoxy paint coating. Beam and frame joint by plastic piece that facilitates assembly and provides more careful aesthetic. Laser machining.

CROSSBARS: 50 x 50 x 2 mm square E220 steel tube hot rolled and pickled with 100 micron epoxy paint coating. Crossbars are laser machined, folded, welded and ground, leaving a clean and resistant transition.

LEGS: aluminum legs with hexagonal section with a 34 mm between faces starting from the head, which connects with the structure, to the final end that rests with the ground. At its base it has a machining and a threading for the adaptation of the leveler. The head of the leg has an upper recess to reduce weight and give it lightness.

The fixing with the structure is mechanical by means of the expansion of a piece of the same aluminum that by means of the push of a metric screw 10 is nailed on the tubular structure making a block. The fixation is completely hidden.
There are two types of legs, one for low tables (H = 710 mm without leveler) and another for high tables (H = 1080mm without leveler), the high leg has a mechanization for the lower structure that provides stability and serves as a footrest.

ROUND TABLE FRAMES: the round tables have hexagonal frames with housings by means of a 50 x 50 x 2 mm structural tube for fixing the legs (3 legs per table).

For Ø 80 cm tables, the frame is made of 50 x 6 mm S275_JR steel plate, folded and welded.
For Ø 120 cm tables, the hexagonal frame is made of E220 structural steel tube 50 x 30 x 2 mm.

ADD-ON BENCHS

The growth of the bench and meeting tables are resolved by means of intermediate crossbars formed by double structural steel tube E 220 50 x 30 x 2 mm, finished off at the ends with the tube for fixing the legs.

ASSEMBLY

The assembly system is very simple and intuitive. The structure is self-supporting, which makes it easy to assemble. The frames are previously assembled by assembling the legs and crossbars, then the beam is placed and finally the tabletop is assembled.

PACKAGING

The packaging of the different items that make up the final product have been designed to guarantee the protection of the components and to optimize the total volume for transport as much as possible. Always with the premise of obtaining flat and stackable packages.

The packaging of the melamine tabletops is the standard.

ELEMENT DESCRIPTION

DESK SCREENS

MELAMINE DESK SCREEN
19 mm thick particle board with 2 mm thermofused edges around the perimeter. Fixed to the framework with specific fittings.

GLASS DESK SCREEN
6 mm (3 + 3 mm) laminated glass with inner butyral sheet. Polished edges and rounded corners. Fixed to the framework by specific fittings.

UPHOLSTERED DESK SCREEN
16 mm thick particle board base with both sides upholstered, fixed to the framework by specific fittings. Sewings at laterals.

UPHOLSTERED ACOUSTIC DESK SCREEN
16 mm thick particleboard base covered with a 5 mm thick foam cover with 30Kg/m^3 density and upholstered on both sides. Double perimeter seam. Fixing to the structure of the desk by specific fittings.

FABRIC METERS

	Desks 180 width	Desks 160 width	Desks 140 width	Desks 120 width
Front screen	1,9 m	1,7 m	1,5 m	1,3 m

Fabric meters for 1 unit. For other units, consult if possible the fabric optimization.

MODESTY PANELS

MELAMINE MODESTY PANELS
19 mm thick particles board with 1,2 mm thick thermofused edges in its whole perimeter fixed to the framework with specific fittings hidden under the desk.

METAL MODESTY PANELS
Drilled steel modesty panel with powder epoxy paint finished 220ºC polymerized (1,5 mm thick) and engraved texture. Hanging from the front beam. Depending on the program and the modesty panel position in relation with the cable management, we have references for:

CABLE MANAGEMENT
ACCESSORIES FOR DESK SURFACE

SQUARE DESK GROMMETS
ABS tap of 94 x 94 mm and polished finish. Polypropylene piece Ø 80 mm inner. Height 25 mm (2 mm over top).

POLYAMIDE TOP ACCESS
Polyamide part outer dimensions are 245 mm x 125 mm x h: 25 mm. The inner has a gap of 225mm x 90mm for the cable management. Set of two pieces made of polyamide with 10% glass fiber and 20% microspheres.

ALUMINIUM TOP ACCESS
Aluminium part overall dimensions 367 x 127 x 33 mm. Extruded tap aluminium 348 x 89 mm and 4 mm average thickness. Aluminium injection inner piece average thickness 2.5 mm.

Integrated cable management with tap and 3 sockets:
Embed electrification on the surface of the table made of anodized aluminum or black finish. This unit has a low installation depth (approximately 45 mm). The tilting flap protects against external influences when not in use. It offers access to three power outlets. Available in international system as well as UK system. Also included is 0.2 m power cable and male wieland plug GST18i3. Dimensions 351 x 180, h45mm

HORIZONTAL CABLE DRIVING

METAL CABLE TRAY TO SERVICE POWER
Metal cable tray to service power outlet, made of steel sheet, 1,2 mm thickness and 300 mm in length. Possibility of setting a power block. Fixing in the desk top with wooden screws. outlet

POLYPROPYLENE CABLE TRAY
Variable thick polypropylene tray. Overall dimensions 365 x 165 x 150 mm. Fixation to top directly by screws.
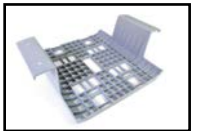
POLYPROPYLENE WIRE CABLE TRAY
Variable thick polypropylene tray. Overall dimensions 472 x 360 x 114 mm. Fixation to beams by folds in the mold. It is possible to screw it to the top.

EXTENSIBLE TRAY
Extensible tray made of die-cut and folded plate of 1mm and 350 mm of width. This tray is mechanised to put power blocks. It is suspended directly in th estructure (leg frames).
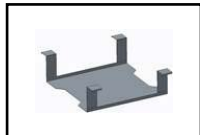
TRAY FOR HEXAGONAL 3-WORKSTATIONS
Individual trays made of 1.2 mm thick sheet steel. Possibility of fixing a shucko. They are suspended from the beams.

VERTICAL CABLE DRIVING

FABRIC CABLE RISER
Fabric cable riser, made of Web mesh and 80 mm diameter. It is only compatible with the extensible tray. Fixed by an elastic band. Includes longitudinal velcro to facilitate the introduction of cables later.

METAL CABLE PILLAR
1,5 mm thick metal pillar. Section 71 x 70 mm, base 160 x 160 mm. Overall height 572.5 mm.

CABLE SPINE FOR ELECTRIFICATION
Spiral thermoplastic material, anchored to the top by screws and to the ground with a pedestal base. Silver gray finish.

ELEMENT DESCRIPTION

ADDITIONAL ACCESSORIES

ADJUSTABLE CPU CABINET
Support folded metal sheet, 2 mm thick. Adjustable height and width to suit different dimensions. Screwed to desk top. Flexible polyurethane protections to prevent vibration and to ensure an optimal fit.

POWER CABLE AND EXTENSION CABLE
3 x 1,5 mm^2 cable 250V 16A with grounding.

4 WAY POWER BLOCK
16A 250V sockets for 3 x 1.5 mm^2 power cable.

3 WAY POWER BLOCK WITH 2X RJ45 DATA
16A 250V sockets for 3 x 1.5 mm^2 power cable.

SCHUCKO FIXED TO THE TABLETOP EDGE
White module with 2 power sockets (Schuko or UK) and 2 USB, one of them type A and the other type C. It is fixed to the tabletop by means of an adjustable clamp for thicknesses between 11 and 30 mm inclusive. Includes 1.5 meter cable and plug connection.

CONFIGURATIONS AND DIMENSIONS

HEXA - CLASSIC DESKS

	SINGLE DESK WITH STRAIGHT CORNERS	A x B	200 x 90 180 x 80 160 x 80 140 x 80 120 x 80

TOP 25 mm
h: 73,5 cm

HEXA - RETURN DESK

	RETURN DESK WITH STRAIGHT CORNERS	A x B	100 x 56

TOP 25 mm
h: 73,5 cm
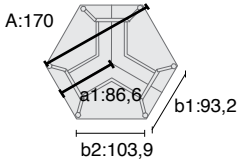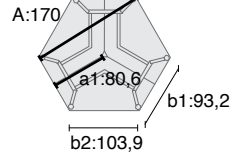
HEXA - BENCH DESKS

|			
	BENCH WITH STRAIGHT CORNERS 2 POSITIONS	A x B/b1	180 x 160/78 160 x 160/78 140 x 160/78 120 x 160/78
	ADD-ON BENCH DESK WITH STRAIGHT CORNERS	A x B/b1	180 x 160/78 160 x 160/78 140 x 160/78 120 x 160/78

TOP 25 mm
h: 73,5 cm

CONFIGURATIONS AND DIMENSIONS

HEXA - 3 WORKSTATIONS

A:170 a1:86,6 b1:93,2 b2:103,9	WORKSTATIONS WITHOUT CENTRAL GAP FOR CABLE MANAGEMENT	A/a1 x b1/b2	170/86,6 x 93,2/103,9
A:170 a1:80,6 b1:93,2 b2:103,9	WORKSTATIONS WITH CENTRAL GAP FOR CABLE MANAGEMENT	A/a1 x b1/b2	170/80,6 x 93,2/103,9
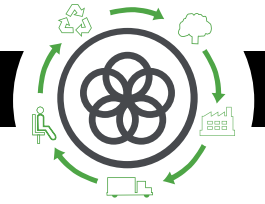
Life Cycle Analysis
HEXA Program

RAW MATERIALS		
Raw Material	Kg	%
Steel	7,096 Kg	16,03%
Aluminium	11,27 Kg	25,9%
Plastic	0,794 Kg	1,8%
Wood	24,430 Kg	56%

% Recycled material= 67%
% Recyclable materials= 73,9%

Ecodesign

Results reached during the life cycle stages
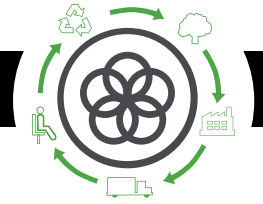
MATERIALS

Wood
70% of the wood material is recycled, has PEFC/FSC and complies within the E1 standard.

Steel
15%-99% recycled material.

Plastic
30%-40% recycled material.

Paintings
Podwer painting without COV emissions

Packings
100% recyclable with inks with no solvents.

PRODUCT ENVIRONMENTAL STATEMENT

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.

With no air or water pollution
while removing waste.

Returnable, recyclable and reusable packing

Product recyclability 99%

MAINTENANCE AND CLEANING GUIDE

MELAMINE PIECES

Rub the dirty spots with a wet cloth with PH neutral soap.

PLASTIC PIECES

Rub the dirty spots with a wet cloth with PH neutral soap.

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.

GLASS PIECES

Rub the dirty spots with a wet cloth with PH neutral soap.

Do not use abrasive products in any case.

Developed by RAMOS & BASSOLS