

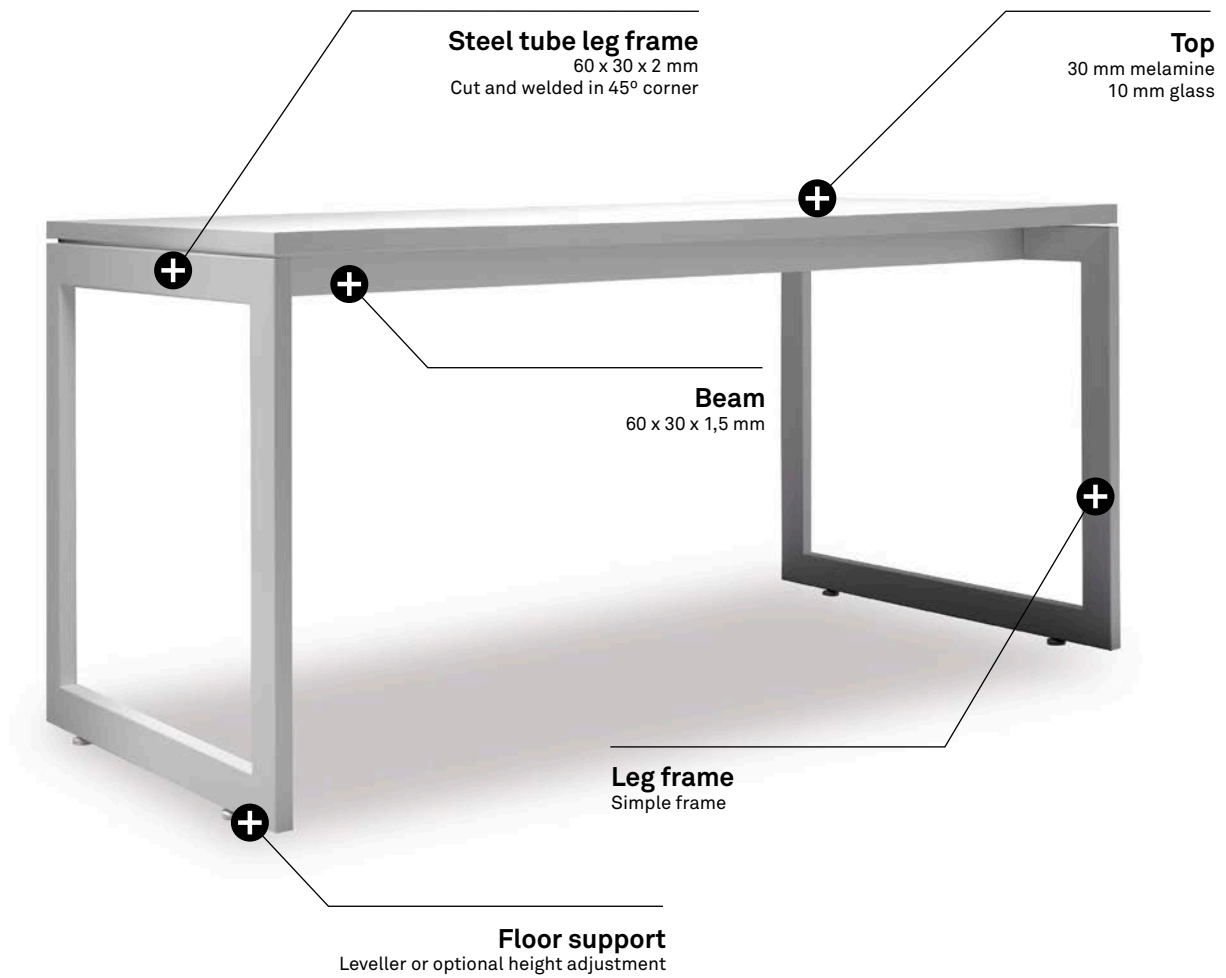
Forma 5

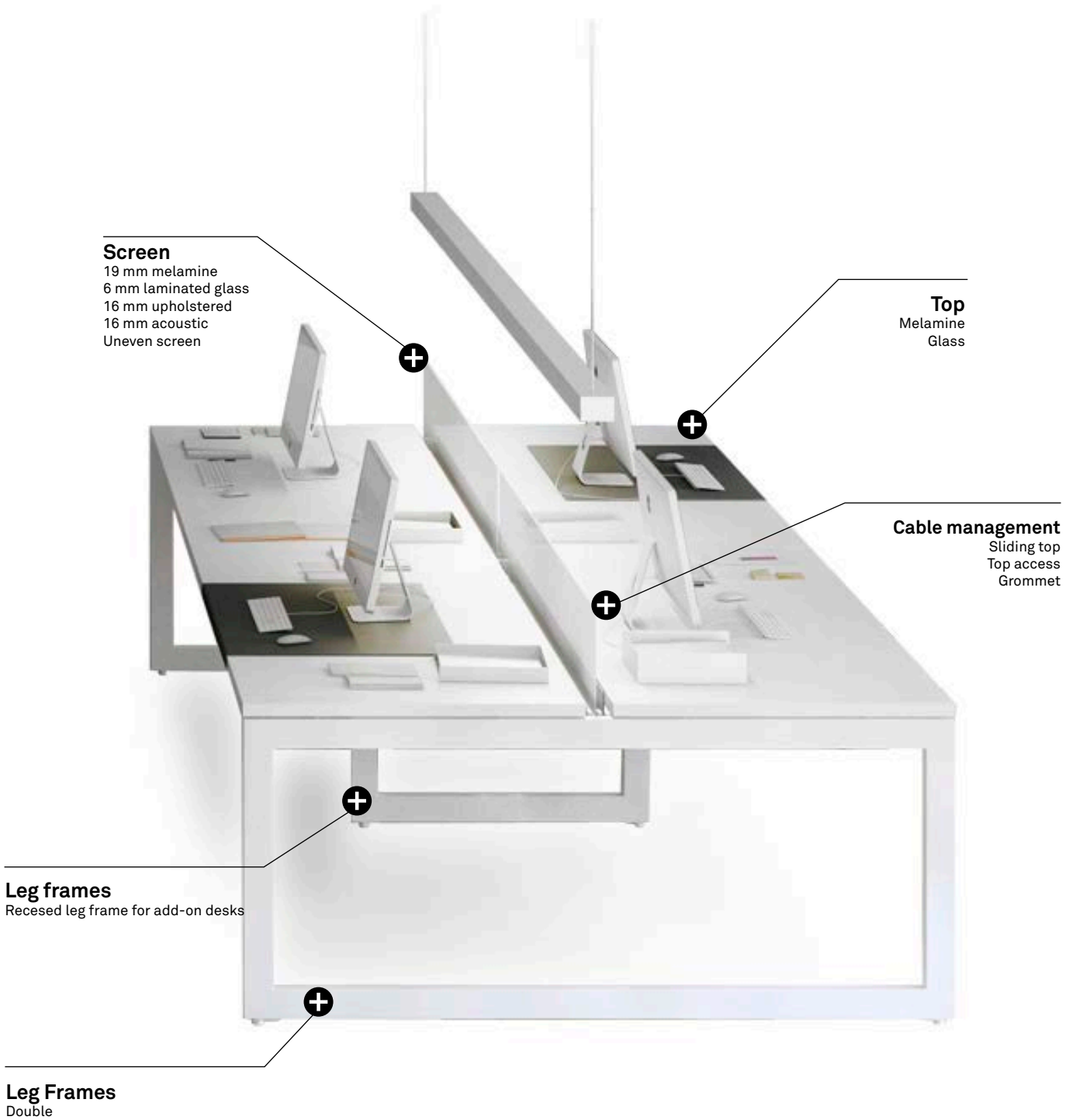
TECHNICAL FEATURES

V30

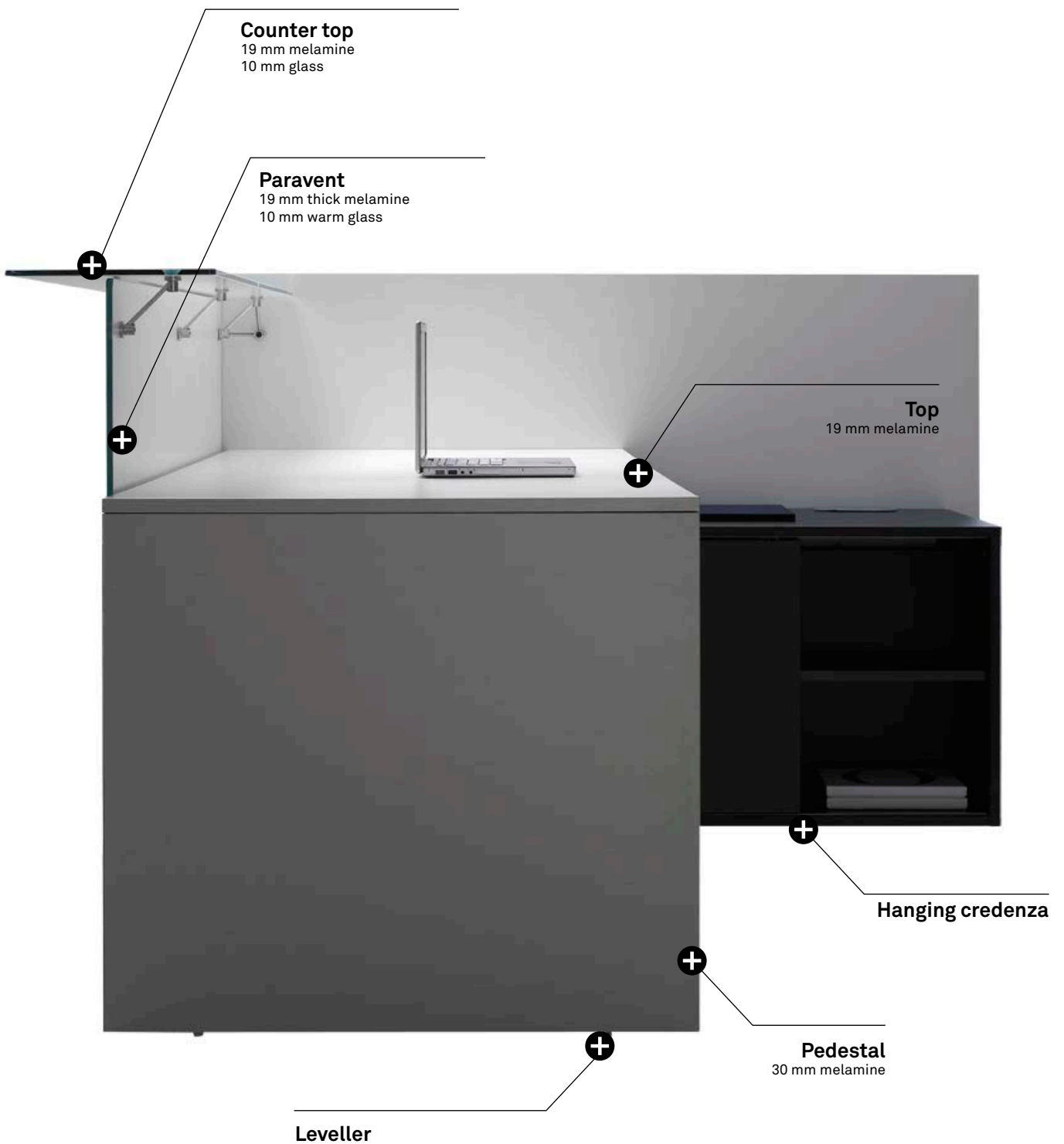


For anti-electrostatic solutions, please ask us the conditions.



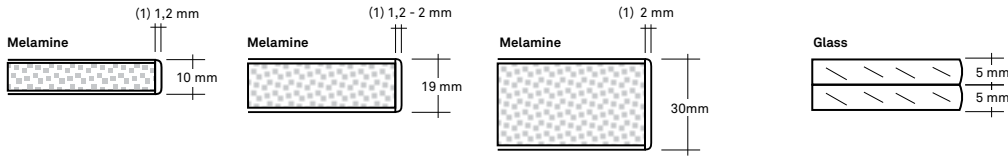


COUNTER | SINGLE • DOUBLE



ELEMENT DESCRIPTION

BOARD



EDGE WIDTH	10 mm BOARD	19 mm BOARD	30 mm BOARD
1,2 mm ⁽¹⁾	Side screen Cabinet door (1 sliding door)	Drawer front, cabinet door (2 sliding doors) Cabinet top, side, floor and shelf	
2 mm ⁽¹⁾		Screen	Desk top

TOP

MELAMINE: 30 mm thick melamine particle board. 2 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 30 mm thick board density is 610 kg/m³.

GLASS: 10 mm thick warm glass and white finishes.



Melamine



Glass

LEG FRAME

60 x 30 x 2 mm steel tube, cut and welded together in a 45° angle, forming a rectangle. 60 x 30 x 1,5 mm beam as desk top support. 100 micron epoxy paint layer. This program includes three types of leg frames: simple (for single desks), double (for bench desks) and add-on leg frames (for bench desks). The last type provides longitudinal growth for add-on desks, as it is shorter than the bench desk side where it is installed, it facilitates the access to the complements.

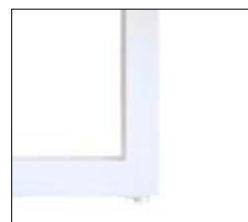


Leg frame

FLOOR SUPPORT

LEVELLER: floor support with levellers to keep the desk surface straight (2cm).

HEIGHT ADJUSTMENT: 60 x 30 x 2 mm steel leg frame with height adjustment (650 - 850 mm), cut and welded at 45° angle to create a rectangle that works as a floor support, painted with 80 - 100 micron epoxy paint.



Levellers



Height adjustment

STORAGE

With an exclusive pedestals and cabinets programme.



Mobile or support pedestal



Axis

MODESTY PANEL

MELAMINE: 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: drilled steel modesty panel with powder epoxy paint finished 220°C 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:

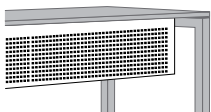


Melamine



Metal

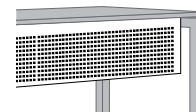
⚠ COMPATIBILITIES WITH CABLE MANAGEMENT



Modesty panels non compatibles with cable management. Hidden beam.



Modesty panels compatibles with cable management. Trays and beams from the desk front. Modesty panel is placed behind them.



Modesty panels compatibles with cable management. Trays and beams from the desk front. Modesty panel is placed in front of them.

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.

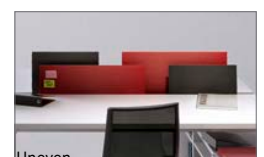


UPHOLSTERED ACOUSTIC DESK SCREEN

16 mm thick particleboard base covered with a 5 mm thick foam cover with 60Kg/m³ density and upholstered on both sides. Double perimeter seam. Fixing to the structure of the desk by specific fittings.



UNEVEN: a 3 mm steel sheet beam with an in 3 mm thick steel sheet beam with inverted “V” shape that supports 4 different parts, whose dimensions are: 30 x 381 mm, 480 x 381 mm, 730 x 281 mm and 480 x 281 mm. 2 finishes options: 5 mm thick fiberboard and 20 kg/m³ high density foam with 5 mm thick on each side of the part, later upholstered with Forma 5 fabrics; or 10 mm thick fiber board with melamine cover. The screen parts have 280 mm height and 170 mm over the desk and are placed in triangle exchanging heights and colours.



Uneven

ELEMENT DESCRIPTION

CABLE MANAGEMENT



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).



SLIDING TOP KIT

Set of five plastic POM and polyamide pieces that allows slide the desk top over the structure to access to the electrification located under the desk top. Ordering 1 sliding top kit for single desk, 2 kits for bench desk, one for each desk top.



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.



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.

HORIZONTAL CABLE DRIVING



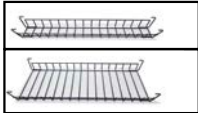
METAL TRANSVERSALE CABLE TRAY

1,5 mm thick blank folded sheet tray. Dimensions 463 x 136 x 124 mm. Folds for fixing between beams.



REMOVABLE METAL TRANSVERSALE CABLE

1,2 mm thick folded sheet metal tray, with final piece and fastening polyamide clamp to beam. Sheet dimensions: 920/720 x 121.9 x 98.3 mm. Overall dimensions: 1000/800 x 195.4 x 133.4 mm.



REMOVABLE WIRE CABLE TRAYS

Electrowelded wire tray Ø 5 mm rod. Fix to the tap by metal plates.



REMOVABLE METAL DOUBLE CABLE TRAY

1,2 mm thick folded sheet tray. Dimensions 1200/1000 x 338 mm. Polyamide pieces for subsection to beam. Overall dimensions of the set: 1200/1000 x 489.3 x 142.5 mm.



POLYPROPYLENE CABLE TRAY

Variable thick polypropylene tray. Overall dimensions 365 x 165 x 150 mm. Fixation to top directly by screws.



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 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.

ACCESSORIES FOR DESK SURFACE

VERTICAL CABLE DRIVING



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.

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.



4 WAY POWER BLOCK

16A 250V sockets with 3 x 1.5 mm² power cable. CAT5E network cable.



3 WAY POWER BLOCK WITH 2X RJ45 DATA

16A 250V sockets with 3 x 1.5 mm² power cable. CAT5E network cable.



POWER CABLE AND EXTENSION CABLE

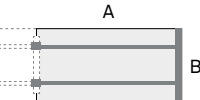
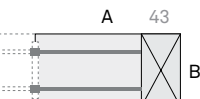
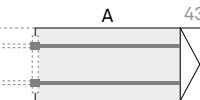
3 x 1,5 mm² cable 250V 16A with grounding.

CONFIGURATIONS AND DIMENSIONS

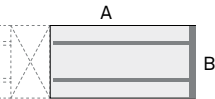
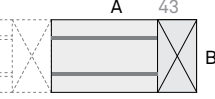
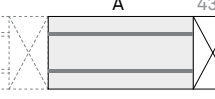
DESKS AND RETURN DESKS

	DESK	A x B	180 x 80 166 x 80 160 x 80 140 x 80 120 x 80
	DESK WITH SUPPORT PEDESTAL OR CABINET FOR SYSTEM	A x B	180 x 80 160 x 80 140 x 80
	DESK WITH SUPPORT PEDESTAL OR CABINET FOR SYSTEM	A x B	180 x 80 160 x 80 140 x 80 120 x 80
	RETURN DESKS	A x B	100 x 56 80 x 56

ADD-ON DESKS FROM A LEGFRAME

	DESK	A x B	180 x 80 160 x 80 140 x 80 120 x 80
	DESK WITH SUPPORT PEDESTAL OR CABINET FOR SYSTEM	A x B	180 x 80 160 x 80 140 x 80
	DESK WITH SUPPORT PEDESTAL OR CABINET FOR SYSTEM	A x B	180 x 80 160 x 80 140 x 80 120 x 80

ADD-ON DESKS FROM PEDESTALS

	DESK	A x B	180 x 80 160 x 80 140 x 80 120 x 80
	DESK WITH SUPPORT PEDESTAL OR CABINET FOR SYSTEM	A x B	180 x 80 160 x 80 140 x 80
	DESK WITH SUPPORT PEDESTAL OR CABINET FOR SYSTEM	A x B	180 x 80 160 x 80 140 x 80 120 x 80

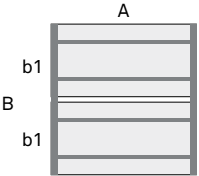
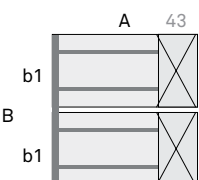
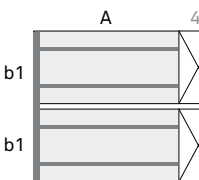
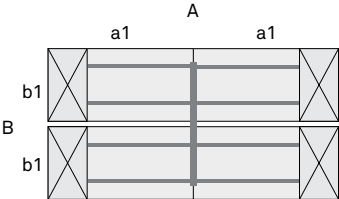
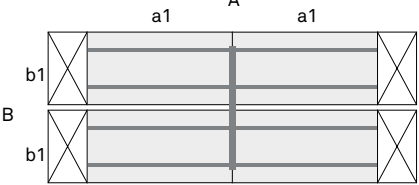
h: 74 cm

CONFIGURATIONS AND DIMENSIONS

GLASS OVERVIEWS

	DESK A x B	180 x 80 160 x 80
h: 72 cm		

BENCH DESKS

	BENCH DESK SUPPORTED BY A LEGFRAME A x B/b1	180 x 166/80 160 x 166/80 140 x 166/80 120 x 166/80
	BENCH DESK SUPPORT PEDESTAL OR CABINET FOR SYSTEM A x B/b1	180 x 166/80 160 x 166/80 140 x 166/80
	BENCH DESK SUPPORT PEDESTAL OR CABINET FOR SYSTEM A x B/b1	180 x 166/80 160 x 166/80 140 x 166/80 120 x 166/80
	BENCH DESK SUPPORT PEDESTAL OR CABINET FOR SYSTEM A/a1 x B/b1	360/180 x 166/80 320/160 x 166/80 280/140 x 166/80
	BENCH DESK SUPPORT PEDESTAL OR CABINET FOR SYSTEM A/a1 x B/b1	360/180 x 166/80 320/160 x 166/80 280/140 x 166/80 240/120 x 166/80
h: 74 cm		

CONFIGURATIONS AND DIMENSIONS

BENCH DESKS AND ADD-ON DESKS

	<p>BENCH DESK SUPPORTED BY FRAMELEGS</p> <p>$A \times B/b1$</p>	<p>180 x 166/80 160 x 166/80 140 x 166/80 120 x 166/80</p>
	<p>BENCH DESK SUPPORT PEDESTALS OR CABINET FOR SYSTEMS</p> <p>$A \times B/b1$</p>	<p>180 x 166/80 160 x 166/80 140 x 166/80</p>
	<p>BENCH DESK SUPPORT PEDESTALS OR CABINET FOR SYSTEMS</p> <p>$A \times B/b1$</p>	<p>180 x 166/80 160 x 166/80 140 x 166/80 120 x 166/80</p>

h: 74 cm

CONFIGURATIONS WITH AXIS CABINETS

	<p>1 DESK + SINGLE (180/160) OR DOUBLE (180/160) CABINETS</p> <p>$A \times B$</p>	<p>180 x 80 160 x 80 180 x 67 160 x 67</p>
	<p>2 DESKS + SINGLE (180/160) OR DOUBLE (180/160) CABINETS</p> <p>$A/a1 \times B$</p>	<p>360/180 x 80 320/160 x 80</p>
	<p>2 POSITIONS BENCH DESK + SINGLE (180/160) OR DOUBLE (180/160) CABINETS</p> <p>$A \times B/b1$</p>	<p>180 x 166/80 160 x 166/80 180 x 140/67 160 x 140/67</p>
	<p>4 POSITIONS BENCH DESK + SINGLE (180/160) OR DOUBLE (180/160) CABINETS</p> <p>$A/a1 \times B/b1$</p>	<p>360/180 x 162/80 320/160 x 162/80</p>

h: 74 cm

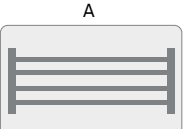
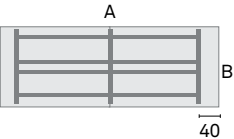
CONFIGURATIONS AND DIMENSIONS

BENCH DESK LINKS

	ENDING LINK	A x B	45 x 166
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h: 74 cm

MEETING TABLES

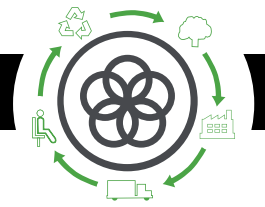
	SQUARE TABLE WITH ROUNDED CORNERS	A x B	120 x 120
	RECTANGULAR TABLE WITH ROUNDED CORNERS	A x B	240 x 120 200 x 120
	RECTANGULAR TABLE	A x B	200 x 166 180 x 166 160 x 166
	RECTANGULAR TABLES SET	A x B	400 x 166 360 x 166 320 x 166

h: 74 cm

COUNTERS

	RECEPTION COUNTER	A/a1/a2 x B/b1	183/180/160 x 170/80
	DOUBLE RECEPTION COUNTER	A/a1 x B/b1	326/163 x 170/80

h: 109/72,9 cm



Life Cycle Analysis
V30 Program



RAW MATERIALS		
Raw Material	Kg	%
Steel	30,06 Kg	43%
Plastic	0,69 Kg	1%
Wood	39,14 Kg	56%

% Recycled material= 58%
 % Recyclable materials= 99%

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

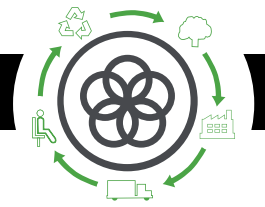
30%-40% recycled material.

Paintings

Podwer painting without COV emissions

Packings

100% recyclable with inks with no solvents.



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.

LEGAL TERMS

CERTIFICATES

Forma 5 certifies that V30 programme has passed tests conducted in the laboratory of internal Quality Control and TECNALIA Research Technology Center, obtaining "satisfactory" results in the following tests:

UNE EN 527-1-2001 norm. Office furniture. Desks. Part 1: Dimensions.

UNE EN 527-2-2003 norm. Office furniture. Desks. Part 2: Security mechanism requirements.

UNE EN 527-3-2003 norm. Office furniture. Desks. Part 3: Testing methods to determine the stability and mechanic resistance of the structure.

Developed by JOSEP LLUSCÀ