

Forma 5

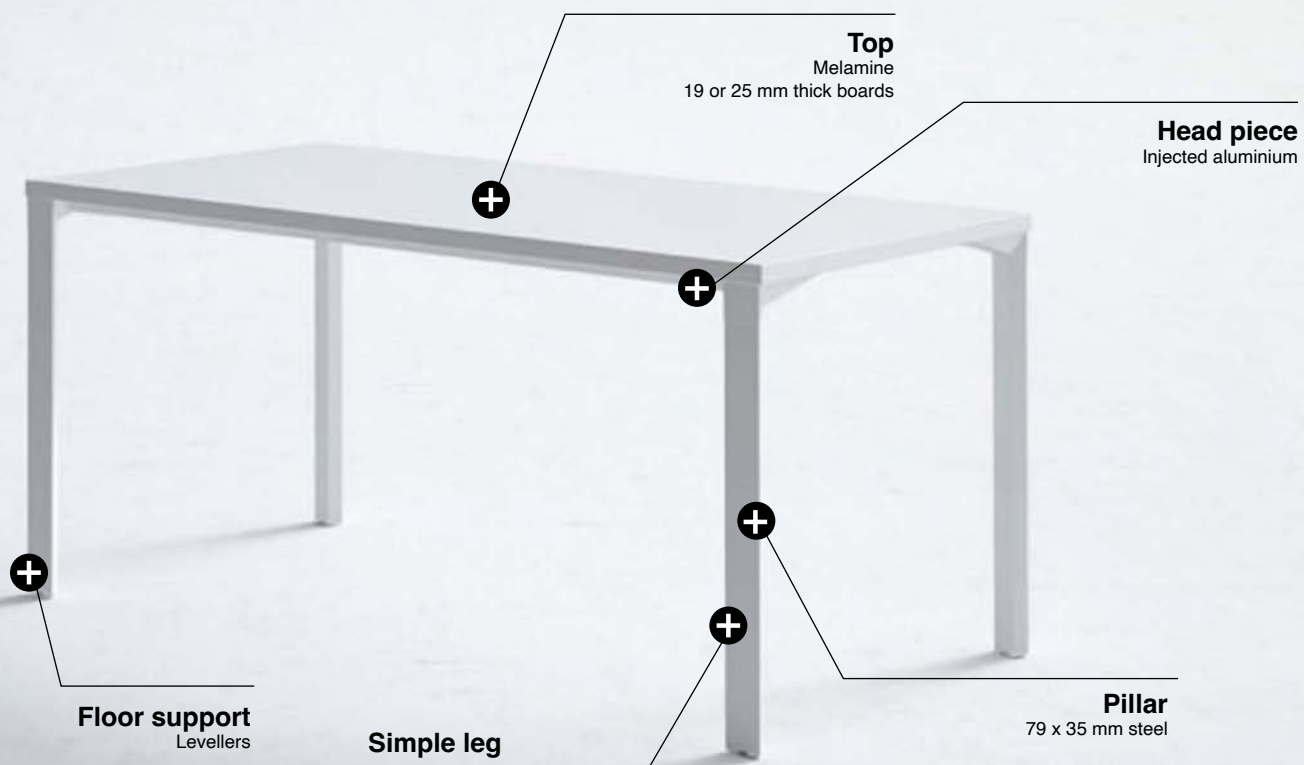
TECHNICAL FEATURES

LOGOS

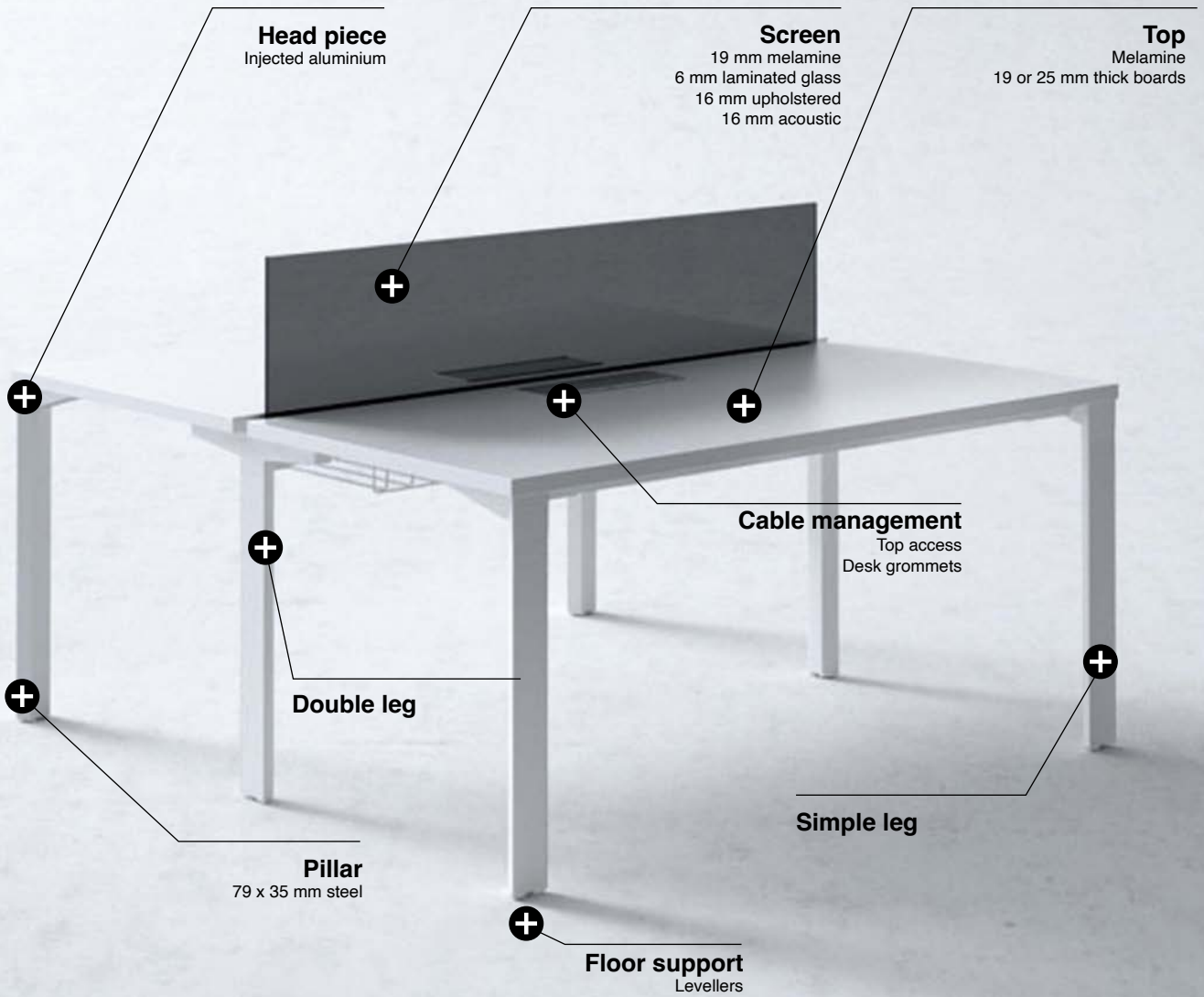


DESK

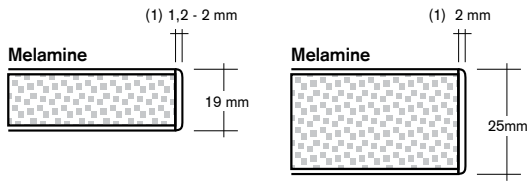
For anti-electrostatic solutions, please ask us the conditions.



BENCH



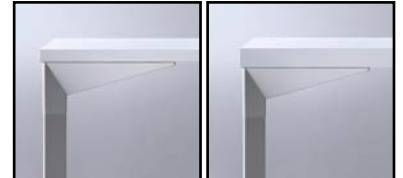
BOARD



EDGE WIDTH	19 mm BOARD	25 mm BOARD
2 mm ⁽¹⁾	Desk top	Desk top

TOPS

19 or 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-EN312 legal terms, corresponding to P2 board. The average density for 25 mm thick boards is 595 kg/m³. The average density for 19 mm thick boards is 630 kg/m³. The structural design can generate a maximum bend of 2 mm/ml in the table tops, without affecting the functionality.



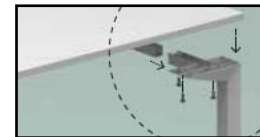
LEGS

Single or shared leg frame. Troncopyramidal shape injected aluminium head. 79 x 35 mm cold laminated steel trapezoidal pillar, 1,5 mm thick, polymerized at 220° C. 100 micron layer epoxy paint. Polypropylene glides and levellers as floor support. The shared leg frame optimizes the number of required legs, as it provides multi-user overviews for single and bench desks. This way, the shared leg frame would be placed where the desks are linked together and therefore, avoiding support duplicity. 100 micron layer epoxy paint.



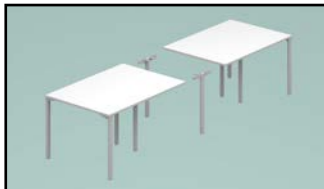
BEAM

Two 30 x 30 x 1,5 mm thick cold laminated steel beams that give resistance to the desk. 80 - 100 micron paint thick.



Easy assembly (3 pieces / 3 screws / 3 minutes)

DETAILS



Easy assembly (3 pieces / 3 screws / 3 minutes). Meeting tables.



Add-on for meeting tables.



Bench desks.



Pedestals.



Melamine or metal modesty panels.



Melamine, glass or upholstered desk screens.

ELEMENT DESCRIPTION



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.

FABRIC METERS

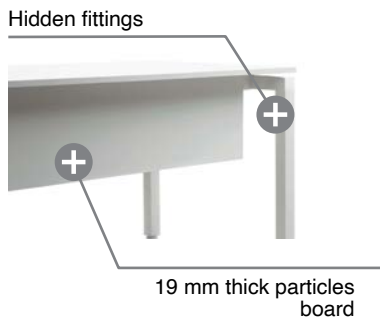
	Desks 180 width	Desks 160 width	Desks 140 width	Desks 120 width
Front screen	1,9 m	1,7 m	1,5 m	1,3 m
Uneven screen	1,3 m	1,3 m	1,0 m	-

	Desks 162 depth	Desks 80 depth
Side screen	1,8 m	1,00 m

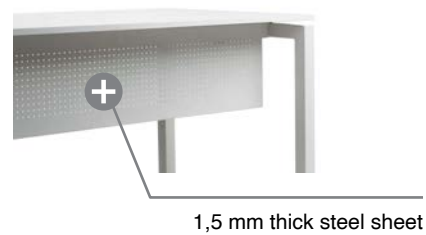
Fabric meters for 1 unit. For other units, consult if possible the fabric optimization.

MODESTY PANELS

MELAMINE MODESTY PANELS



METAL 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 220°C polymerized (1,5 mm thick) and engraved texture. Hanging from the front beam.

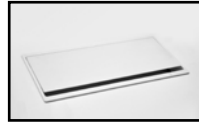
ELEMENT DESCRIPTION

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).

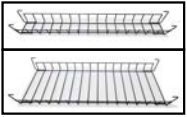


POLYAMIDE TOP ACCESS
Polyamide part outer dimensions are 245 mm x 125 mm x h: 25 mm. The inner has a gap of 225mm x 90mm for the cable management. Set of two pieces made of polyamide with 10% glass fiber and 20% microspheres.

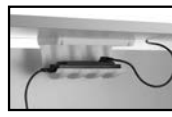


ALUMINIUM TOP ACCESS
Aluminium part overall dimensions 367 x 127 x 33 mm. Extruded tap aluminium 348 x 89 mm and 4 mm average thickness. Aluminium injection inner piece average thickness 2.5 mm.

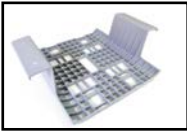
HORIZONTAL CABLE DRIVING



REMOVABLE WIRE CABLE TRAYS
Electrowelded wire tray Ø 5 mm rod. Fix to the top by metal plates.



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.



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

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 for 3 x 1.5 mm² power cable.



POWER CABLE AND EXTENSION CABLE
3 x 1,5 mm² cable 250V 16A with grounding.



3 WAY POWER BLOCK WITH 2X RJ45 DATA
16A 250V sockets for 3 x 1.5 mm² power cable.

CONFIGURATIONS AND DIMENSIONS

LOGOS - DESKS CLÁSSIC

	RECTANGULAR DESK	A x B 180 x 80 160 x 80 140 x 80 120 x 80 180 x 67 160 x 67 140 x 67 120 x 67 100 x 56
	ADD-ON RECTANGULAR DESK - LEGS SUPPORT	A x B 180 x 80 160 x 80 140 x 80 120 x 80 180 x 67 160 x 67 140 x 67 120 x 67

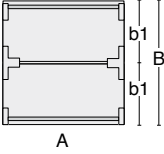
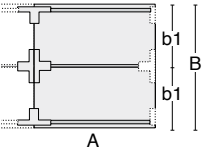
TOP 19 mm TOP 25 mm
 h: 72,9 cm h: 73,5 cm

LOGOS - RETURN DESKS

	RETURN DESK - LEGS SUPPORT	A x B 100 x 56 80 x 56
	RETURN DESK - SUPPORT PEDESTAL	A x B 100 x 56 80 x 56

TOP 19 mm TOP 25 mm
 h: 72,9 cm h: 73,5 cm

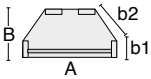
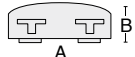
LOGOS - BENCH DESKS

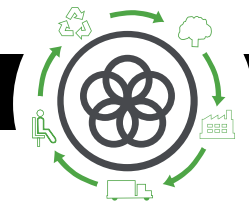
	BENCH DESK	A x B/b1 180 x 164,5/80 160 x 164,5/80 140 x 164,5/80 120 x 164,5/80 180 x 139/67 160 x 139/67 140 x 139/67 120 x 139/67
	ADD-ON BENCH DESK - LEGS SUPPORT	A x B/b1 180 x 164,5/80 160 x 164,5/80 140 x 164,5/80 120 x 164,5/80 180 x 139/67 160 x 139/67 140 x 139/67 120 x 139/67

TOP 19 mm TOP 25 mm
 h: 72,9 cm h: 73,5 cm

CONFIGURATIONS AND DIMENSIONS

LOGOS - DESK LINKS

	<p>TRAPEZOIDAL DESK LINK</p>	<p>A x B/b1/b2</p>	<p>164,5 x 67/21,8/52,5 160 x 67/21,8/52,5 138,5 x 67/21,8/52,5 134 x 67/21,8/52,5</p>
	<p>BOW DESK LINK</p>	<p>A x B</p>	<p>164,5 x 45 160 x 45 138,5 x 45 134 x 45</p>
			<p>TOP 19 mm TOP 25 mm h: 72,9 cm h: 73,5 cm</p>



Life Cycle Analysis
LOGOS Program



RAW MATERIALS		
Raw Material	Kg	%
Steel	10,96 Kg	20%
Plastic	0,57 Kg	1%
Wood	40,58 Kg	74%
Aluminium	2,88 Kg	5%

% Recycled material= 64%

% 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

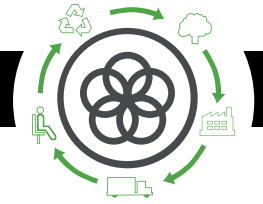
30%-40% recycled material.

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.

Aluminium 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 cotton 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 the Logos program has passed all tests provided by our intern Quality Department, as well as the Technological Research Center (TECNALIA) with "satisfactory" results:

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 TANDEM COMPANY