Tram
SPECS GUIDE

Basic Plus

INDIVIDUAL DESK

Desktop

Digital display

Frame

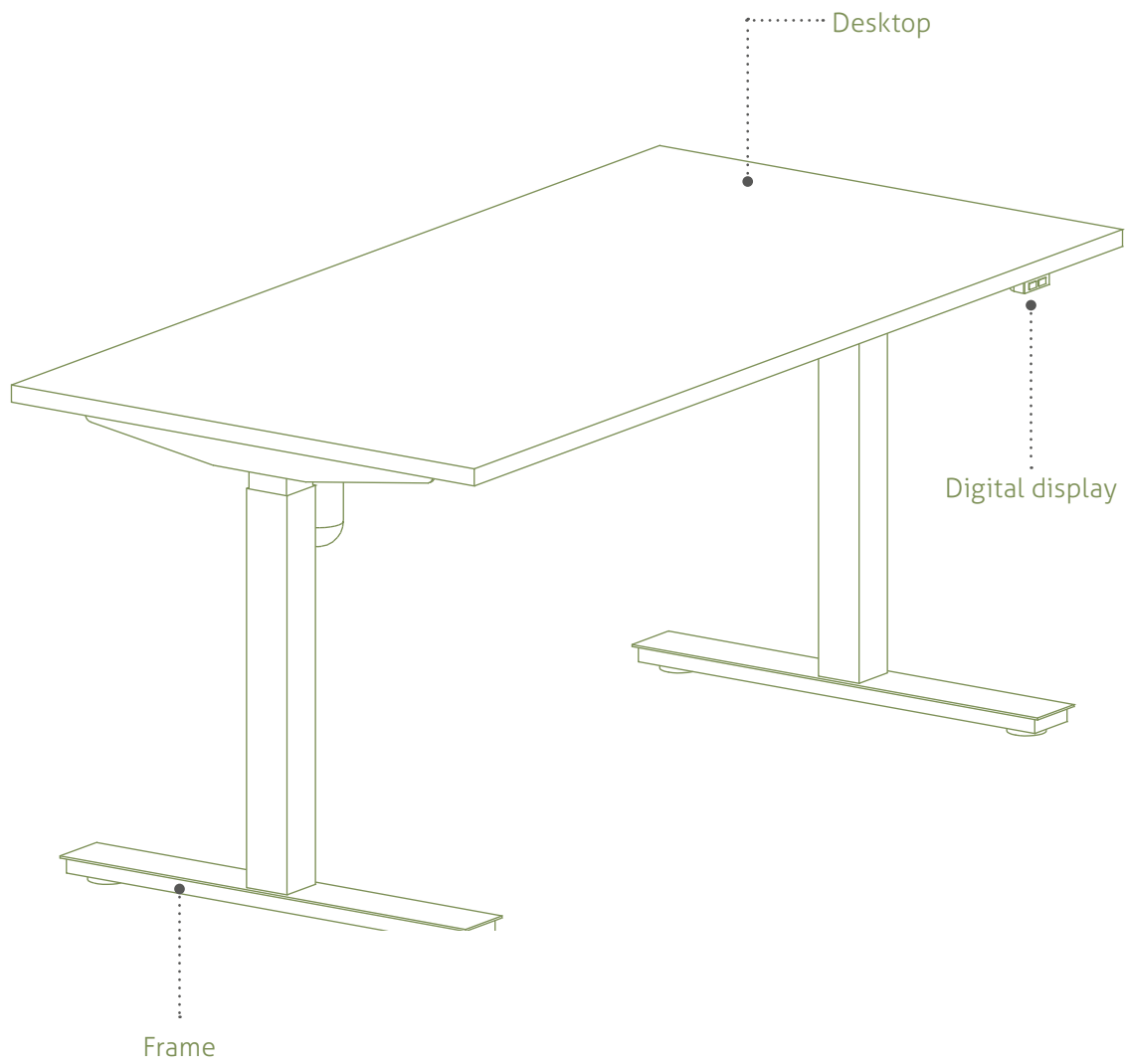## DESKTOPS

Melamine top: 25 mm of thickness. Recoated chipboard with melamine of 120 grs/m² in both faces with a density of 600 Kg/m³ ± 5 %. ABS edges all around the top with a bevel of 2 mm. Edges are fixed with melted glue and rounded in shape.
Finishes: graphite, white, grey, beech, maple, pear, wengue, light acacia, dark acacia, zebrano, oak or dark oak.

Tops are fixed to the frame of the desk with simple screws.

Top has 4 fixing drillings for the structure.

DIGITAL DISPLAY

UP / DOWN: is a simple manual switch with operating buttons to move the lifting column of the table. Moves the table up or down.
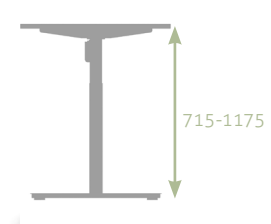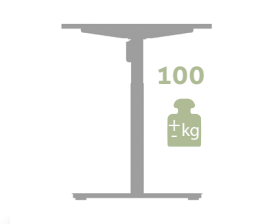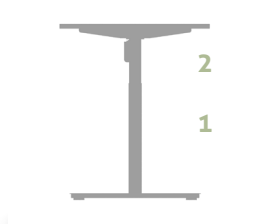Black finish.

ADJUSTABLE HEIGHT FRAME

Metal **columns with 2 beams** that are lifted with **one electric engine** of 32V DC - 2,5A.

The outer column is of 2 mm thick steel of 70 x 70 mm. The inner column is of 2 mm thick steel of 65 x 65 mm.

Total load for the table is **100 Kg.** Motion speed of 25 mm/s.

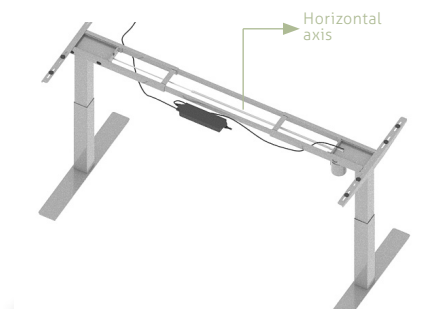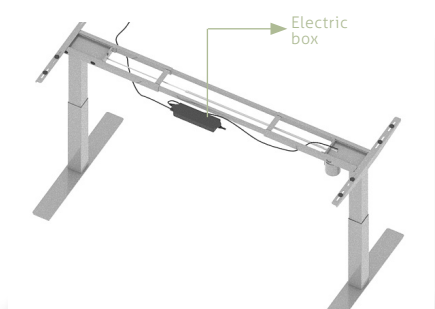Minimum height of the desk is 715 mm and maximum height is 1175 mm.

The electric control box with sockets is in the middle under the top.

Columns are synchronized thanks to an **horizonal axis.**

Standby electricity consumption is <0.1W.

Input voltage: 100 - 230 V

Under the top there is a telescopic **H-shape structure** that consist of two rectangular steel tube of 40x20 with 2 mm thickness and 30x14 mm with 1,5 mm thickness.

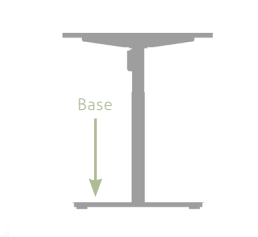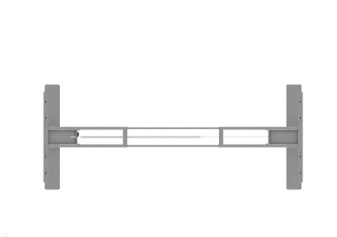**"L" shape support plates** of 3 mm thick are welded to columns.

Base: 3 mm metal sheet base fixed to the column with screws (M8x20).

Levelling polypropylene glides with 8 mm metric thread.

Available finishes: silver (RAL 9006) or white (RAL 9010).

⬡ MANUFACTURING PROCESS

For fixed frame only: column is welded to its capital with **MIG system**:

a) 1 mm spread copper wire with a bath of lacquer to make a fine explosion.
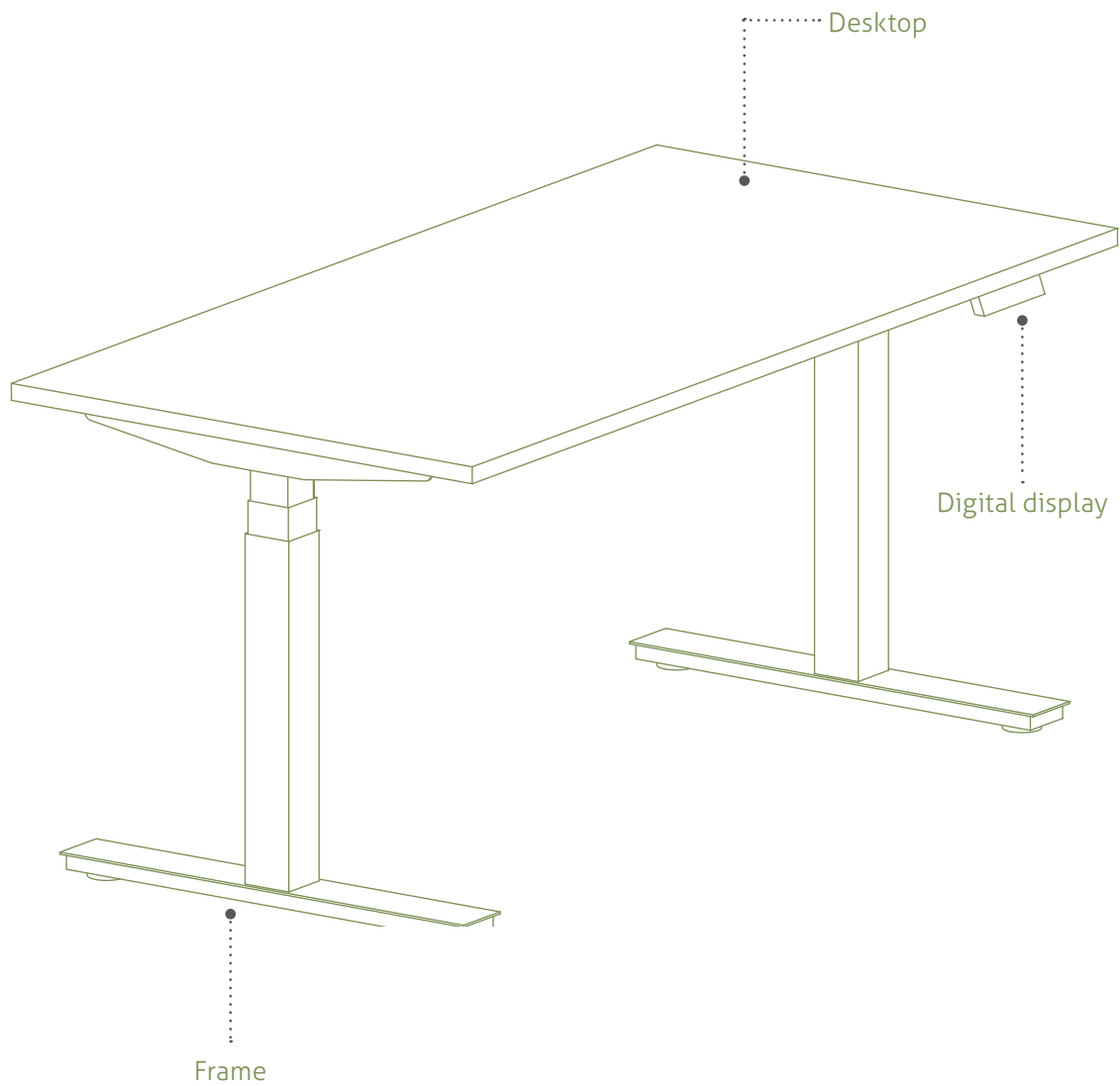
b) Corgon gas 15 (85% oxygen y 15% Corgon).

For painting process is used a painting tunnel:

① Degreasing and transformation treatment (zirconium manometric inorganic transformation coat): frames are dipped with osmosed water and then dried. Frames are prepared to be painted with an optimum bond and with a corrosion protection coating.
For this procedure, baths are filled using reversed waterfall. An authorized operator is in charge of sewage sludge.

② The drying: frames go inside a humidity oven during 11 minutes with a temperature of 110ºC.

③ Frames have to be cold before painting to have a uniform layer of paint. Frames come inside automatic cabins with spouts that spread the paint. When frames come outside the cabin some retouches are done to make sure that all the corners are painted.

④ Polymerized oven: paint is melted in 200ºC during 20 minutes to ensure a perfect bond and a fine coating finish.

Basic   Plus

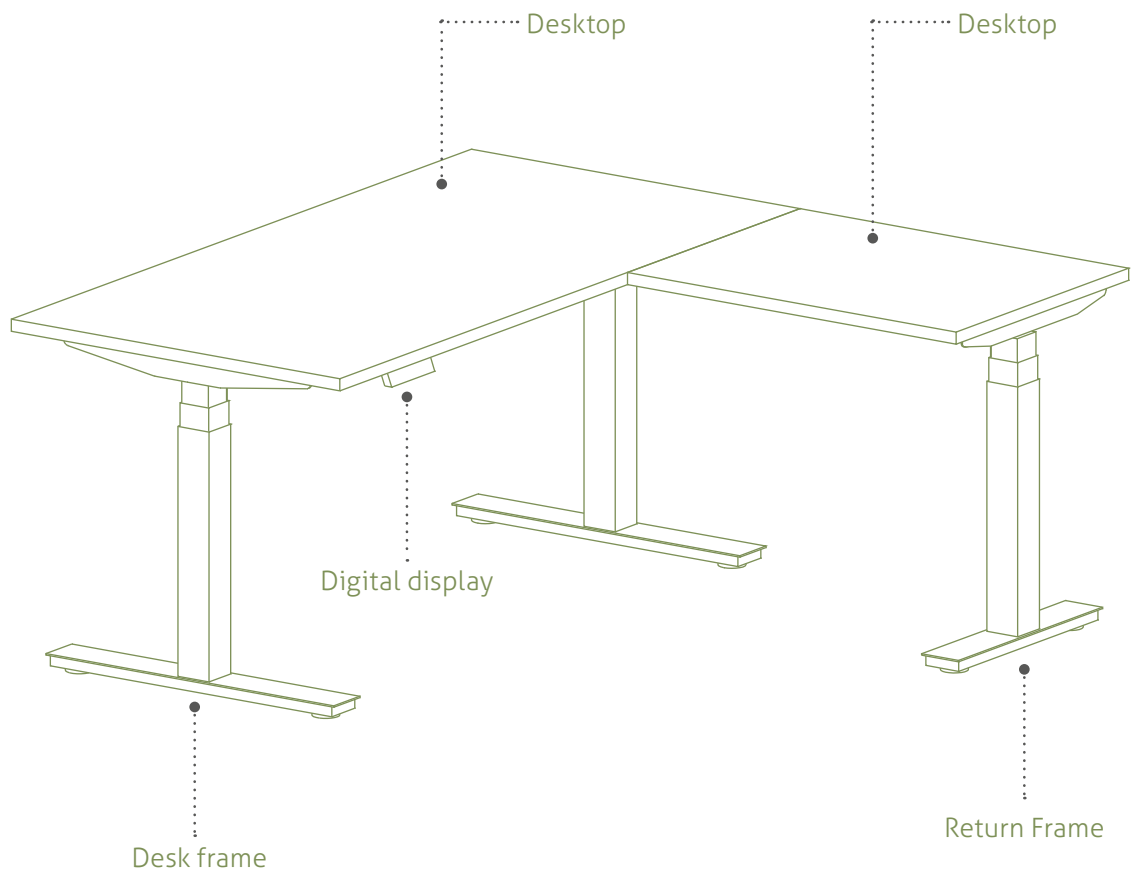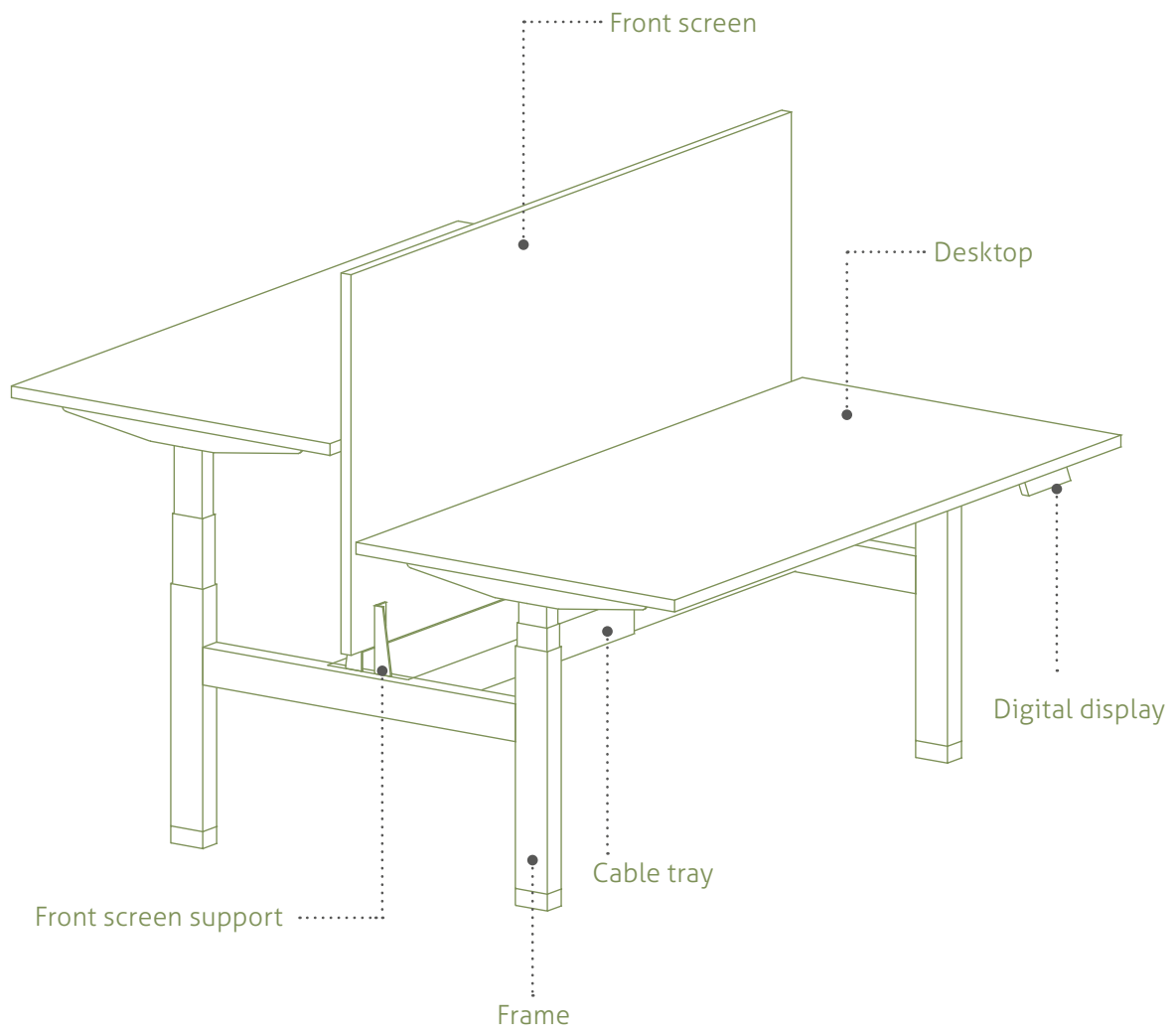## INDIVIDUAL DESK

Desktop

Digital display

Frame

DESK WITH RETURN

Desktop

Desktop

Digital display

Desk frame

Return Frame

Tram
Plus

FACE TO FACE DESKS

Front screen

Desktop

Digital display

Cable tray

Front screen support

Frame

▨ DESKTOPS

Melamine top: 25 mm of thickness. Recoated chipboard with melamine of 120 grs/m² in both faces with a density of 600 Kg/m³ ± 5 %. ABS edges all around the top with a bevel of 2 mm. Edges are fixed with melted glue and rounded in shape.
Finishes: graphite, white, grey, beech, maple, pear, wengue, light acacia, dark acacia, zebrano, oak or dark oak.

Tops are fixed to the frame of the desk with simple screws.

Top has 4 fixing drillings for the structure.

⬭ DIGITAL DISPLAY

PROGRAMMABLE: It allows users to set the seated and standing height positions or pre-set heights for multiple users. (4 differents postions maximum). Black finish.

ADJUSTABLE HEIGHT FRAME for individual desk

Metal **columns with 3 beams** that are lifted with **two electric engines** of 32V DC - 2,5 A).
The outer column is of 2mm thick steel of 75x75 mm. The midst column is of 2 mm thick steel of 70x70 mm. The inner column is of 2 mm thick steel of 65x65 mm.
Total load for the table is **100 kg**. Motion speed of **40mm/s.**
Minimum height of the desk is 650 mm and maximum height is 1300 mm.
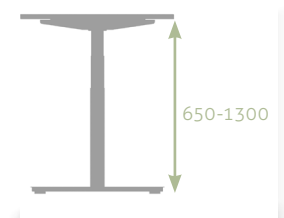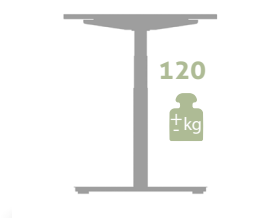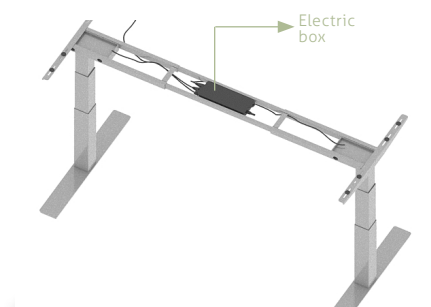

The electric control box with sockets is in the middle under the top.

Standby electricity consumption is <0.1W.

Input voltage: 100 - 230 V.

Synchronized columns with **anti-collision** mechanism.

Under the top there is an **H-shape structure** that consist of two rectangular steel tube of 40x20x2 mm and 30x14x1,5 mm.

"L" shape support plates of 3 mm thick are welded to columns.

Base: 3 mm metal sheet base fixed to the column with screws (M8x20).

Levelling polypropylene glides with 8 mm metric thread.

Available finishes: silver (RAL 9006) or white (RAL 9010).
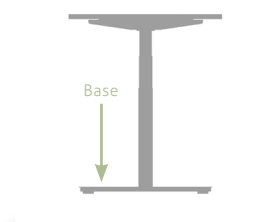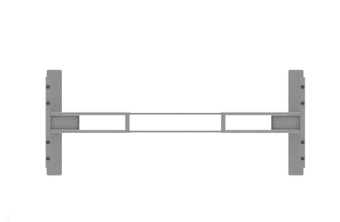
ADJUSTABLE HEIGHT FRAME for face-to-face desks

Metal **columns with 3 beams** that are lifted with **two electric engines** of 32V DC - 2,5 A).
The outer column is of 2 mm thick steel of 80x50 mm. The midst column is of 2 mm thick steel of 75x45 mm. The inner column is of 2 mm thick steel of 70x40 mm.
Total load for the table is **120 kg**. Motion speed of **40mm/s.**
Minimum height of the desk is 650 mm and maximum height is 1300 mm.

The electric control box with sockets is in the middle under the top.

Standby electricity consumption is <0.1W.
Input voltage: 100 - 230 V.

Synchronized columns **anti-collision** mechanism.

Under the top there is an **H-shape structure** that consist of two rectangular steel tube of 40x20x2 mm and 30x14x1,5 mm.
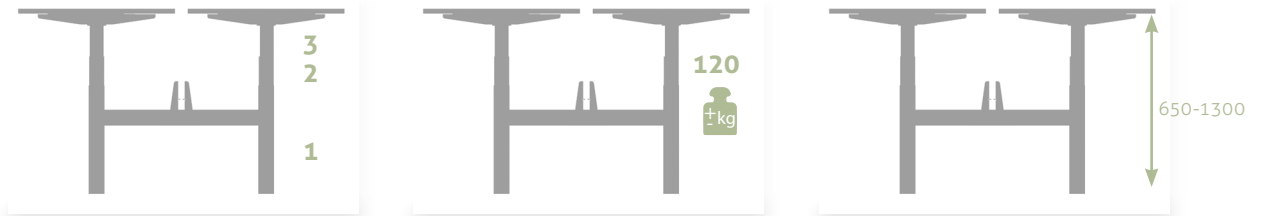
On the top of the column there is an **"L" shape support plate** of 3 mm thick to screw the desktop.

In the lower side of the frame there are levelling polypropylene glides with 8 mm metric thread.
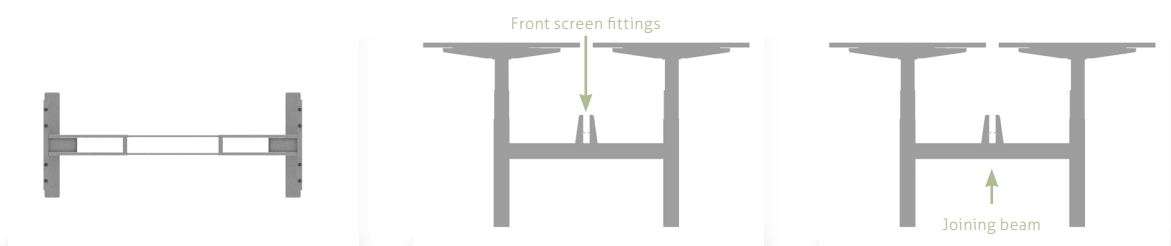
Face-to-face desks are attached with two rectangular **joining beams** of 80x50x2 mm. These beams are assembled with screws to the columns of the desks.

Joining beams include **fittings (clamps)** for the front panels. These adjustable fittings allow to assemble front panels of multiple thicknesses.

Face-to-face desks include a **telescopic double cable tray** of cold folded steel sheet of 1,2 thick.

Available finishes: silver (RAL 9006) or white (RAL 9010).

MANUFACTURING PROCESS

For fixed frame only: column is welded to its capital with **MIG system**:

a) 1 mm spread copper wire with a bath of lacquer to make a fine explosion.

b) Corgon gas 15 (85% oxygen y 15% Corgon).

For painting process is used a painting tunnel:

1) Degreasing and transformation treatment (zirconium manometric inorganic transformation coat): frames are dipped with osmosed water and then dried. Frames are prepared to be painted with an optimum bond and with a corrosion protection coating.
For this procedure, baths are filled using reversed waterfall. An authorized operator is in charge of sewage sludge.

2) The drying: frames go inside a humidity oven during 11 minutes with a temperature of 110ºC.

3) Frames have to be cold before painting to have a uniform layer of paint. Frames come inside automatic cabins with spouts that spread the paint. When frames come outside the cabin some retouches are done to make sure that all the corners are painted.

4) Polymerized oven: paint is melted in 200ºC during 20 minutes to ensure a perfect bond and a fine coating finish.

⊕ OPTIONAL COMPLEMENTS

CABLE TRAY

Only one size available.

Cold folded steel sheet of 0.8 mm quality DC01.
Die cut to fix electric kits.
Finishes: epoxy silver (RAL 9006) oder epoxy white (RAL 9016).

Fixed under the desktop of the tables with simple screws.

SNAKE FOR CABLES

With base: translucent ABS cable snake.
Without base: polypropylene cable snake available in silver or white.

MONITOR HOLDER

The screen is fixed to the support with a plate for all type of screens.
The gas pressure technology and the ball-and-socket joint make it easy to choose height and angle of the monitor.
Available for one or two screens.
Finish: silver or white.

Fixed to the desk top with a metal clamp.
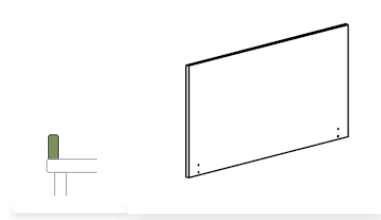
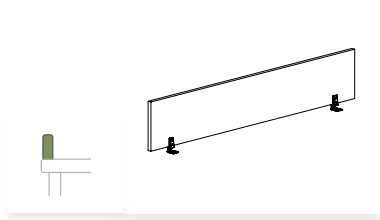With clamp

⊕ OPTIONAL COMPLEMENTS

FRONT SCREEN

For lengths 180, 160, 140, 100 and 120 cm.

For individual desks: fixed to the desk top.
For face to face desks: fixed to the frame of the desk.

1 LEVEL FRONT SCREEN:

- Height in individual desks: 32,2 cm

- Height in face to face desks: 58 cm

- Support system with aluminium brackets available in silver (RAL 9006) or white (RAL 9016) finishes.

FINISHES:

Melamine: 25 mm thickness in graphite, white, grey, beech, maple, pear, wengue, light acacia, dark acacia, zebrano, oak or dark oak. ABS edges of 2 mm.

Metacrylate clear or translucent of 6 mm thickness.
Only for individual desk available.

Upholstered 25 mm chipboard in serie 1 or 4 fabrics.

Acoustic screens: 100% recycled PET panel upholstered with Serie 1 or 4. It is recommended to use porous fabric and avoid PU leather. Density 2,40 $(kg/m^2)^{\pm 10}$ and $8^{\pm 0,6}$ mm thick. Noise absorption 0,45 (MH) αw. Only for individual desk available. Only for individual desk available.
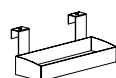
AVAILABLE ACCESSORIES:
Translucent accesories hanged to the screen with an aluminium silver bracket. Not allowed in metacrylate screens.
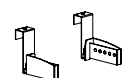
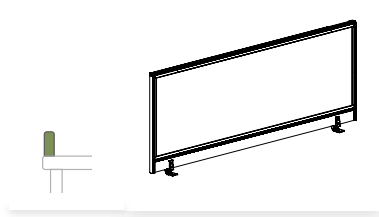| Small tray	Large tray	Plastic guides for CDs	Hanging folder tray

⊕ OPTIONAL COMPLEMENTS

FRONT SCREEN

For lengths 180, 160, 140, 100 and 120 cm.

For individual desks: fixed to the desk top.
Not available for face to face desks.

1 LEVEL ACOUSTIC SCREEN (WITH FRAME):

- Height in individual desks 62,6 cm

- Support system with aluminium brackets available in silver (RAL 9006) or
 white (RAL 9016) finishes.

- Aluminium frame. Available finishes: silver or white.

FINISHES:

Acoustic screens: 100% recycled PET panel upholstered with Serie 1 or 4.
It is recommended to use porous fabric and avoid PU leather. Density 2,40
$(kg/m^2)^{\pm 10}$ and $8^{\pm 0,6}$ mm thick. Noise absorption 0,45 (MH) αw.
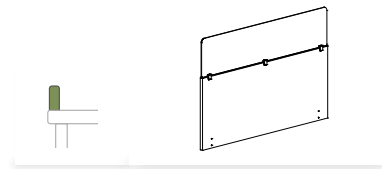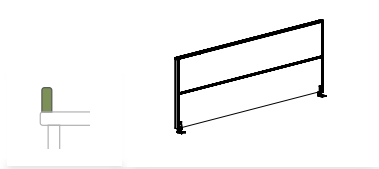
For lengths 180, 160 and 140 cm.

For individual desks: fixed to the desk top.
For face to face desks: fixed to the frame of the desk.

2 LEVELS FRONT SCREENS

- Height in individual desks 63,4 cm

- Height for face to face desks 79,2 cm

- Support system with aluminium brackets available in silver (RAL 9006) or white (RAL 9016) finishes.

BOTTOM PANEL FINISHES:

Melamine: graphite, white, grey, beech, maple, pear, wengue, light acacia, dark acacia, zebrano, oak or dark oak.

Upholstered chipboard in serie 1 or 4 fabrics.

TOP PANEL FINISHES:

Melamine: graphite, white, grey, beech, maple, pear, wengue, light acacia, dark acacia, zebrano, oak or dark oak.

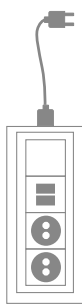**Upholstered** chipboard in serie 1 or 4 fabrics.

Metacrylate clear or translucent.
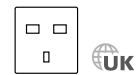
⊕ DESKTOP CABLE MANAGEMENT (WITH COVER)

⊕ FOR ALL TABLES

TYPE A: box with 2 sockets + 2 data.
- In one side of the kit there is a black fast male connector with 3 poles
fixed with pressure. In the other side, there is a black fast female
connector with 3 poles fixed with pressure also.
- Two black sockets of 45x45.
- One black cover of 45x45
- Two RJ45 (CAT6) connectors with dust caps and 1 m of cable each one.
- One black connexion cable for sockets of 2 meters.
- Cable management can be terminal or add-on. The total of electric connections
should not exceed 16 ampere power. Do not connect more than 3 kits. (1 terminal + 2
add-ons maximum).

ES DE   FR   US   UK

TYPE B: box with 3 sockets.
- In one side of the kit there is a black fast male connector with 3
poles fixed with pressure. In the other side, there is a black fast
female connector with 3 poles   fixed with pressure also.
- Three black sockets of 45x45.
- One black cover of 45x45.
- One black connexion cable for sockets of 2 meters.
- Cable management can be terminal or add-on. The total of electric connections
should not exceed 16 ampere power. Do not connect more than 3 kits. (1 terminal + 2
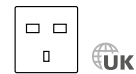add-ons maximum).

ES DE   FR   US   UK

TYPE C: polypropylene box with frame and anodised aluminium cover.
There is a black brush in the large size of the cover for cables. Cover can
be open 90° and allows user to reach the electrification tray under the
desktop. Aproximate size: 232x117 mm.
Available finishes: silver or white.

TRAY CABLE MANAGEMENT (WITHOUT COVER)
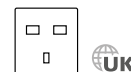
TYPE A2: 3 sockets + 2 data.
  - Anodised aluminium beam with U-shape, 2 black ABS covers joined to the beam with metal sheet screws.
- Three black sockets of 45x45.
- Two RJ45 (CAT6) connectors with dust caps and 1 m of cable each one.
- One black connexion cable for sockets of 2 meters.
- Cable management can be terminal or add-on. The total of electric connections should not exceed 16 ampere power. Do not connect more than 3 kits. (1 terminal + 2 add-ons maximum).

ES DE   FR   US   UK
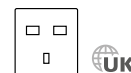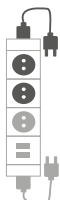
TIPO A3: 2 UPS sockets + 1 socket + 2 data.
  - Anodised aluminium beam with U-shape, 2 black ABS covers joined to the beam with metal sheet screws.
- Two red UPS sockets of 45x45.
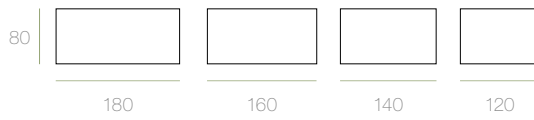- One black sockets of 45x45.
- One black connexion cable for sockets of 2 meters.
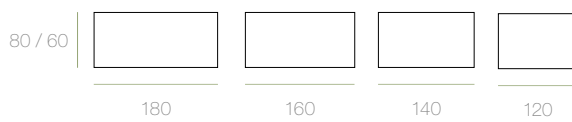- One connexion cable for UPS sockets of 2 meters.

ES DE   FR   US   UK

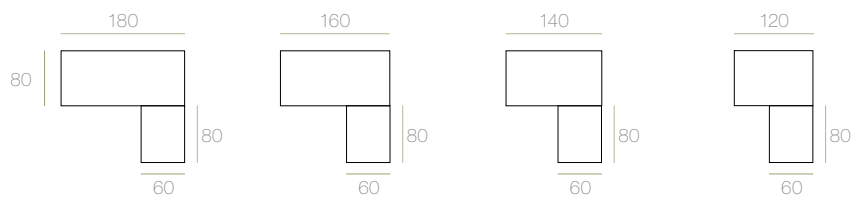## 📏 MEASUREMENTS (cm) - BASIC

INDIVIDUAL DESKS:

80			
180	160	140	120

📏 MEASUREMENTS (cm) - PLUS

INDIVIDUAL DESKS:

80 / 60			
180	160	140	120

DESK WITH RETURN:

180	160	140	120
80 / 80 / 60	80 / 80 / 60	80 / 80 / 60	80 / 80 / 60

FACE TO FACE DESKS:

160			
180	160	140	120

FINISHES

MELAMINE DESKTOPS

White · Grey · Beech · Maple · Pear · Wengue

Light acacia · Dark acacia · Zebrano · Graphite

TEXTURED MELAMINE DESKTOPS

Oak · Dark oak

FRAME

White
(RAL 9010)

Silver
(RAL 9006)
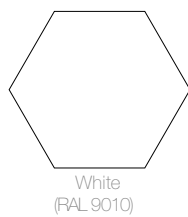
VERSIONS

TRAM BASIC

INDIVIDUAL DESKS:

TRAM PLUS

INDIVIDUAL DESKS (D.80 cm):

INDIVIDUAL DESKS (D.60 cm):

DESK WITH RETURN:

FACE TO FACE DESKS:

CERTIFICATES

Office desk: EN 527-1:2011 / EN 527-2:2016 / EN 1730:2012

Acoustic screen: UNE-EN ISO 354:2004

CARE INTRUCTIONS

Clean the table and its components with a soft cloth and neutral detergent.

RECYCLABILTY AND TOXIC MATERIALS

This table does not contain any toxic material and its components are recyclable.