

# Axel 2

TECHNICAL CHARACTERISTICS



EUROPEAN  
OFFICE  
FURNITURE  
MANUFACTURER



**Worktops**



**Melamine**

- › Melamine-covered particle board panels, thk 25 mm, with an anti-reflective coating on both sides
- › Panel density Thk 25 mm: 600 to 670 kg/m<sup>3</sup>
- › Flat edge banding (2 mm thick) made from a strip of glued ABS, with rounded edges
- › Edge banding in same finish as worktop (except for Maritime pine N8, which comes with plywood edge banding)
- › 9 finishes available (see Shade Card)
- › **Black R9:** MDF panels (density 695 kg/m<sup>3</sup>) covered with melamine and a PerfectSense lacquer coating on one side (multiple layers of transparent lacquer), in a matt finish and featuring a silky surface with finger-mark resistant properties



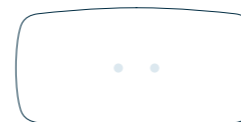
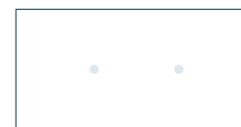
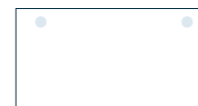
Panels sourced from sustainably managed forests - **PEFC**

- › Panels have a fire-resistance rating of M3 (combustible, moderately flammable) as per standard **NF EN 13501-1**
- › Panels have a **formaldehyde emissions rating of E05**, with a maximum of 0.062 mg/m<sup>3</sup> or a limit of 0.05 ppm and comply with standard **NF EN 717**
- › Melamine panels have an **antibacterial surface** that meets standard **ISO 22196**
- › 68% on average from recycled materials (pre- and post-consumer)
- › 90% for finishes R3 and N8 certified Cradle to Cradle
- › 100% recyclable

**Cable management on worktop**

**Desks**

- › **For cable ports Ø 80 mm:**
  - 2 pre-drilled openings for cable ports (cable ports sold separately)
- › **Scalloped edge and 2 pre-drilled port holes ø 80 mm:**
  - Centred recess, D. 80 mm
  - 2 pre-drilled openings for cable ports (sold separately)
- › **Opening for a soft-closing top-access module:**
  - Pre-drilled opening for a one-way top-access module W. 240 x D. 120 mm (top-access module must be ordered separately)
  - Single-compartment metal cable trough included, in same finish as desk legs



**Meeting tables**

- › **For cable ports Ø 80 mm:**
  - 2 or 4 pre-drilled openings for cable ports (number of openings depends on table size; cable ports sold separately)

**Choice of 2 mechanisms:**

- **Manual crank**  
Adjustment range H. 71.5 to 115.5 cm (2 telescopic shafts)
- **Electric drive**  
Adjustment range H. 65 to 130 cm (3 telescopic shafts)

**Powerful electric drive system**

- 1 motor in each leg upright
- Stylish, user-friendly control unit
- Ideal for hot-desking scenarios: 4 user profiles, each with 2 height settings (sitting and standing)
- Alarm for scheduling reminders
- Built-in USB chargers (A & C)
- Built-in anti-collision system



**Legs & structure**

- Rectangular or square uprights- depending on the model
- Structural telescopic frame

**Customisable**

- Multiple cable management solutions
- Optional fabric-covered desktop screens

**Flat or curved base**

- With stabiliser feet as standard
- Option: Castors with brakes, Ø 40 mm, suitable for all floor types (for individual desks only)

## Shared desks - Manual version

### Structure and legs

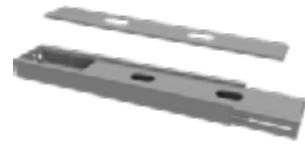


#### Individual desks

- › Structure with 2 centrally positioned legs:
  - Rectangular-section metal uprights, 75 x 45 / 80 x 50 mm (2 telescopic shafts)
  - 2 base pieces, W. 700 x 80 mm, with flat ends and stabiliser feet (adjustment range 20 mm)
- › Optional castors available to replace the stabiliser feet (see options)
- › 1 structural telescopic metal frame, adjustable from 1150 to 1800 mm
- › 2 upper crossbeams made from tubular steel, W. 600 x H. 40 mm

#### Shared-structure desks

- › Structure with 2 pairs of centrally positioned legs, linked together by metal crossbeams:
  - Rectangular-section metal uprights, 80 x 50 / 75 x 45 mm (2 telescopic shafts)
  - 2 metal crossbeams, W. 785 x H. 80 x D. 50 mm
- › Legs fitted with ABS mounts in matching colour, with stabiliser feet (adjustment range 10 mm)
- › 2 structural telescopic metal frames, adjustable from 1150 to 1800 mm
- › 4 upper crossbeams made from tubular steel, W. 600 x H. 40 mm
- › Each structure comes with a telescopic cable trough with a sliding cover, to be secured between the two lower crossbeams that link the legs:
  - Holds socket outlets and cables
  - Perforated to facilitate cable routing and concealment of cables
  - Adjustable from 930 to 1680 mm to adapt to the worktop width (W. 1200 to 1800 mm)
  - Overall dimensions W. 930/1680 x H. 80 x D. 202 mm
  - A high-capacity cover (see options) can be installed in place of the sliding cover



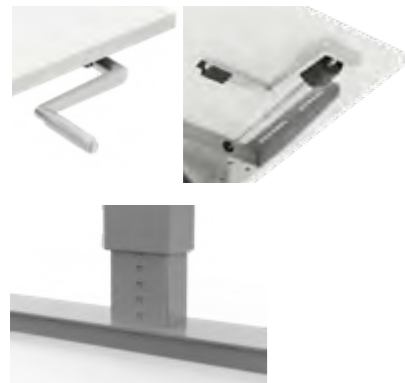
### Finishes

- › Smooth epoxy powder finish in a choice of 3 colours: White (RAL 9010), Silver grey (RAL 9006) or Black (RAL 9005)

### Attachment of the structure to the worktop

- › Secured using metal inserts and screws for easy assembly and dismantling
- › Excellent level of tensile strength (140 kg per insert under test conditions)

### Adjustment system



#### Manual height-adjustment system

- Height adjustment from 715 to 1155 mm (including worktop, thk 25 mm); lower upright has graduated notches at 1 cm intervals (individual desks only)
- Castors add 30 mm to the height
- Lift speed: 8 mm/crank rotation
- Max. load per worktop: 80 kg
- Crank made from metal and ABS, Aluminium grey finish
- Retractable crank, stows away under the worktop
- Crank can be placed at the left or right side of the worktop

## Desks and meeting tables - Electric version

### Structure and legs



#### Individual desks

- › Structure with 2 centrally positioned legs:
  - Rectangular-section metal uprights, 80 x 50 / 75 x 45 / 70 x 40 mm (3 telescopic shafts)
  - 2 base pieces, W. 700 x 80 mm, with curved ends and stabiliser feet (adjustment range 20 mm)
- › Optional castors available to replace the stabiliser feet (see options)
- › 1 structural telescopic metal frame, adjustable from 1075 to 1800 mm
- › 2 upper crossbeams made from tubular steel, W. 600 x H. 40 mm

#### Details

- › Desks with depth of 1000 mm
  - Square uprights 75 x 75 mm / 70 x 70 mm / 65 x 65 mm
  - 2 Bases L. 900 x 90 mm
  - Upper crossbeams L. 900 x H. 40 mm
- › Compact symmetrical desk 120° :
  - Square uprights 75 x 75 mm / 70 x 70 mm / 65 x 65 mm
  - 2 bases L. 700 x 90 mm
  - 1 base for the central upright L. 400 x 90 mm

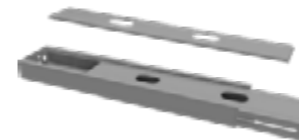
#### Individual desks with a return

- › Structure with 2 centrally positioned legs and 1 slightly offset leg for the return:
  - Square-section metal uprights, 75 x 75 / 70 x 70 / 65 x 65 mm (3 telescopic shafts)
  - 3 base pieces with curved ends and stabiliser feet (adjustment range 20 mm), dimensions W. 700 x 90 mm for the 2 main uprights, W. 500 x 90 mm for the return upright
- › 2 structural telescopic metal frames (1 main frame, adjustable from 1075 to 1800 mm + 1 return frame, adjustable from 1076 to 1801 mm)
- › 3 upper crossbeams, W. 600 x H. 40 mm for the main worktop + W. 500 x H. 40 mm for the return



#### Shared-structure desks

- › Structure with 2 pairs of centrally positioned legs, linked together by metal crossbeams:
  - Rectangular-section metal uprights, 80 x 50 / 75 x 45 / 70 x 40 mm (3 telescopic shafts)
  - 2 metal crossbeams, W. 785 x H. 80 x D. 50 mm
- › Legs fitted with ABS mounts in matching colour, with stabiliser feet (adjustment range 10 mm)
- › 2 structural telescopic metal frames, each adjustable from 1075 to 1800 mm
- › 4 upper crossbeams made from tubular steel, W. 600 x H. 40 mm
- › Each structure comes with a telescopic cable trough with a sliding cover, to be secured between the two lower crossbeams that link the legs:
  - Holds socket outlets and cables
  - Perforated to facilitate cable routing and concealment of cables
- › Adjustable from 930 to 1680 mm to adapt to the worktop width (W. 1200 to 1800 mm)
  - Overall dimensions W. 930/1680 x H. 80 x D. 202 mm
  - A high-capacity cover (see options) can be installed in place of the sliding cover



**Desks and meeting tables - Electric version (continued)**

**Structure and legs (continued)**



**Meeting tables**

- › Structure with 2 or 3 legs (depending on table size):
  - Square-section metal uprights, 75 x 75 / 70 x 70 / 65 x 65 (3 telescopic shafts); worktop overhangs the legs at each side
  - W. 900 x 90 mm rounded base pieces with ends and stabiliser feet (adjustment range 20 mm)
- › Structural telescopic metal frames:
  - Adjustable from 1075 to 1800 mm for the table W. 1000 x D. 2000 mm
  - Adjustable from 2000 to 3000 mm for the table W. 2400 x D. 1200 mm
- › Upper crossbeams made from tubular steel W. 900 x H. 40 mm

**Finishes**

- › Smooth epoxy powder finish in a choice of 3 colours: White (RAL 9010), Silver grey (RAL 9006) or Black (RAL 9005)

**Attachment of the structure to the worktop**

- › Secured using metal inserts and screws for easy assembly and dismantling
- › Excellent level of tensile strength (140 kg per insert under test conditions)

**Desks and meeting tables - Electric version**

**Adjustment system**



› **Electric height-adjustment system:**

- Height adjustment from 650 to 1300 mm (including worktop, thk 25 mm)
- Castors (available for individual desks only) add 30 mm to the height; use the control unit to adjust the worksurface height accordingly (see User Manual for instructions)

› **1 motor in each leg upright:**

- Lift speed: 50 mm/sec (40 mm/sec for desks or tables with 3 motors)
- Thrust force per upright: 1000 N
- Max. load per worktop: 150 kg
- Noise level: < 45 dB (50 dB for desks or tables with 3 motors)

› **Power supply unit:**

- 200-240 V, 50/60 Hz, 2.5 A Class II with a 3.5 m power cable
- Supplied with either an EU or a UK plug
- Max. power consumption during operation: 200 W, standby power consumption: 0.57 W

› **Control unit (see User Manual for full details):**

- LCD digital display with scrolling menu for accessing the various settings:
  - 1) Alarm for scheduling reminders to change position (5-minute increments)
  - 2) Saved positions: Up to 4 users, each with 2 positions (sitting and standing)
  - 3) Language (the factory setting is English): Choice of 9 languages (English, French, Chinese, German, Dutch, Italian, Spanish, Polish and Romanian)
  - 4) Height limit: Option for setting a maximum or minimum height
  - 5) Child lock: Disables the control unit
  - 6) Lighting effect: Enable/disable the lighting effect
  - 7) More: QR code pointing to the control unit documentation (installation manual, user manual), and other settings (toggle between inches/cm, adjust the sensitivity of the anti-collision sensor, define the minimum height to display on the screen, toggle between automatic/manual saving of positions)
  - 8) Hard reset: Can be used to reset the system if the desk is not working correctly. After resetting the system, the factory settings are restored and the desk must be re-initialised.
- (Re)-initialisation: Press and hold “V” until the desk is in the lowest position. Release the button, then press and hold “V” again until you hear a beep. Follow the instruction displayed on the screen: press and hold “V” for 5 seconds until you hear a second beep. This confirms successful re-initialisation.

- The control unit has USB chargers 18 W (A & C) on the side
- The control unit is secured below the worktop, at the left or right side (if the desk/table is next to a wall or cupboard, remember to leave enough space to access the USB port)

› **Built-in anti-collision system:**

- In the event of a collision, the desk stops moving, then moves up or down by 2 cm
- Code “E05” will be displayed on the control unit

/\ For the system to work correctly, all of the components must be installed. If the system is not working correctly, please contact us.



- ① Menu
- ② Up
- ③ Settings
- ④ Memory for sit/stand position
- ⑤ Down
- ⑥ Return
- ⑦ USB ports A + C

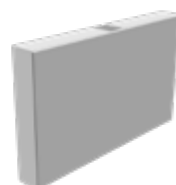
**Desks Options**



**For individual desks**

**Set of 4 castors:**

- › Black ABS castors with brakes, dia. 40 mm, with grey roller bands
- › Suitable for all floor types
- › Mounted on the base pieces instead of the stabiliser feet
- › Castors increase the worksurface height by 30 mm: minimum height with castors  
H. 680 mm (electric version) or H. 745 mm (manual version)
- › Compatible with individual desks of D. 700, 800 or 900 mm



**Metal cable casing**

- › Fits around the leg uprights of individual desks
- › Metal with epoxy powder coating, with ABS covers at the feet; choice of 3 colours: White (RAL 9010), Silver grey (RAL 9066) or Black (RAL 9005)
- › Overall dimensions: W. 800 x H. 475 x D. 95 mm
- › Sold individually

**For shared-structure desks**

**Set of 2 spacing bars (for electric desks)**

- › These create a 3 cm gap between 2 adjacent desks, to prevent accidental trapping of fingers during worktop height adjustments
- › To be fitted on the crossbeam between the 2 legs
- › Dimensions of 1 spacing bar: W. 50 x H. 50 x L. 272 mm



**High-capacity cable cover for twin-compartment telescopic cable trough**

- › Allows even more cables and socket outlets to be placed in the cable trough
- › To be fitted on the cable trough instead of the sliding cover
- › Total height of cable trough, including high-capacity cover: H. 117 mm (height of cover: 48 mm)
- › Perforated to facilitate cable routing
- › Made from epoxy-coated metal in a choice of 3 colours: White (RAL 9010), Silver grey (RAL 9006) or Black (RAL 9005)



**Flexible cable channel (not compatible with individual desks)**

- › Injection-moulded ABS. Consists of 20 small square links, W. 68 x H. 29 x D. 36 mm. Total height 1320 mm
- › Metal attachment plates at the top and bottom; secured with screws between the cable trough (perforations below the cable trough) and the worktop (wood screws), on the left or right side
- › Extends up to 1300 mm
- › Sold individually
- › Colours: White, Aluminium grey or Black



**Metal cable casing**

- › Fits around the leg uprights of shared-structure desks
- › Metal with epoxy powder coating, with ABS covers at the feet; choice of 3 colours: White (RAL 9010), Silver grey (RAL 9066) or Black (RAL 9005)
- › Overall dimensions: W. 1660 x H. 475 x D. 95 mm
- › Sold individually



**Fabric-covered desktop screens**

**For individual desks**

See catalogue for full SOLANGE and TWINS ranges

**For shared-structure desks**

- › Desktop screens, H. 700 mm
- › Attached to the bench structure using fixing clamps

**Fabric-covered acoustic desktop screens**

- › Outer frame made from aluminium (thk 47 mm), joined by 4 rounded ABS corner pieces
- › Core made from honeycomb cardboard (made entirely from recycled fibres), 25 mm thick, clad with 1 layer of 10 mm thick acoustic polyester fibre on each panel face
- › The polyester fibre offers the following environmental benefits:
  - OEKO-TEX certified: certification guaranteeing the absence of substances posing a health risk
  - Manufactured using a minimum of 85% recycled fibres
  - 100% recyclable
- › Fabric covering (see Fabrics shade card)
- › Acoustic desktop screens absorb approx. 50% of ambient noise (acoustic performance report available on request)



**Fixing clamps (must be included in your order)**

- › Metal clamps with a metal rod and ring to hold the panel
- › Secured to the structure using screws
- › Sold in sets of 2

**Non-acoustic fabric-covered desktop screens (for electric shared-structure desks only)**

- › Melamine-covered particle board panels (25 mm thick) with a fabric covering (see shade card for available finishes)
- › 2 rounded corners at the top, and 2 straight corners at the bottom



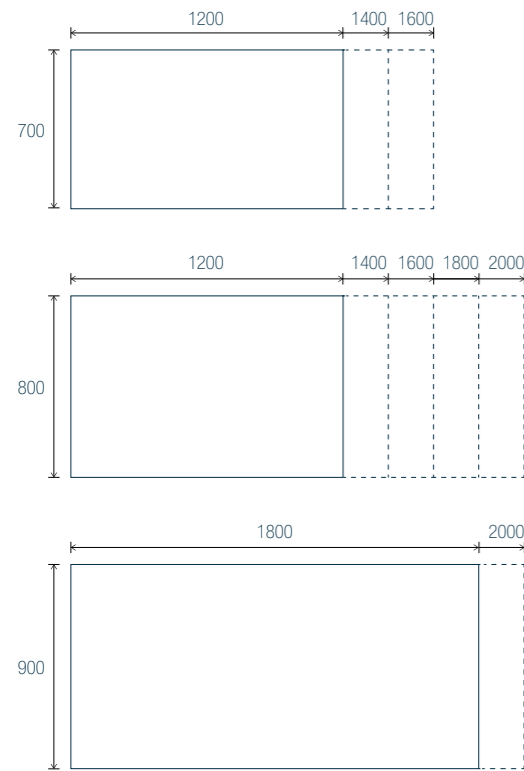
**Fixing clamps are supplied with the structure**

- › Metal fixing clamps, secured using screws to the structure and the desktop screen

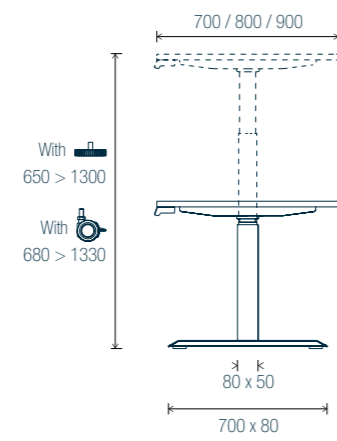


# Overview

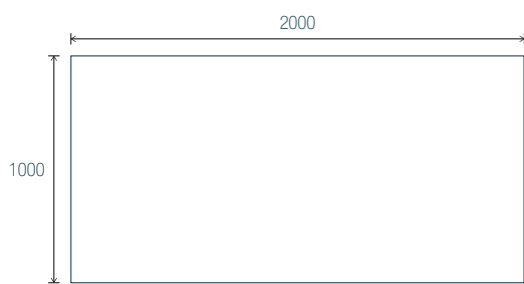
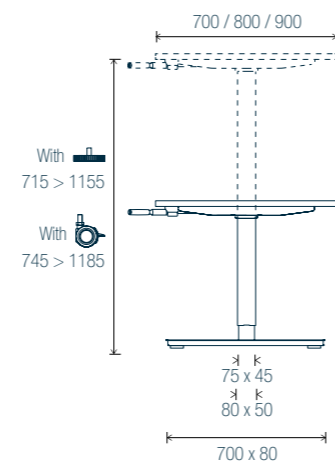
## Individual desks



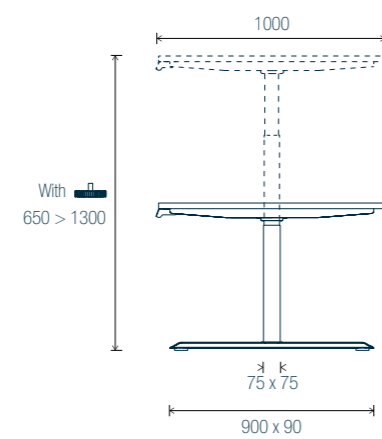
### Electric version



### Manual version

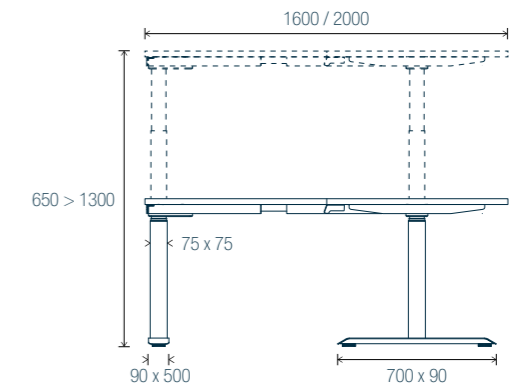
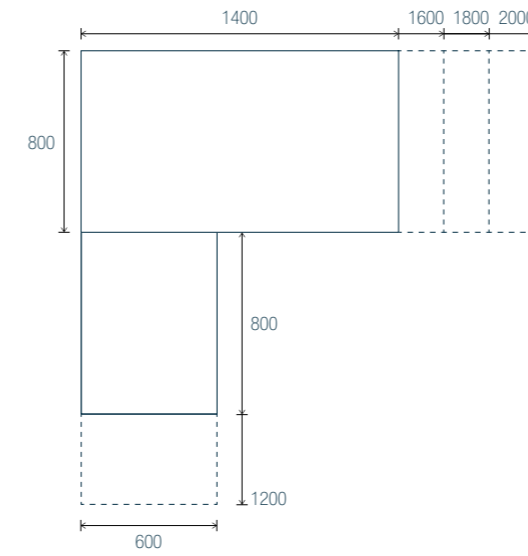


### Electric version

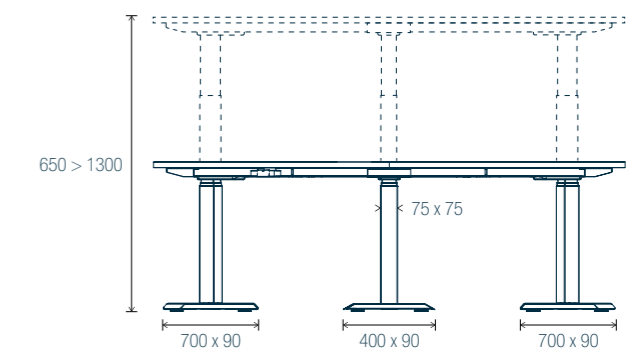
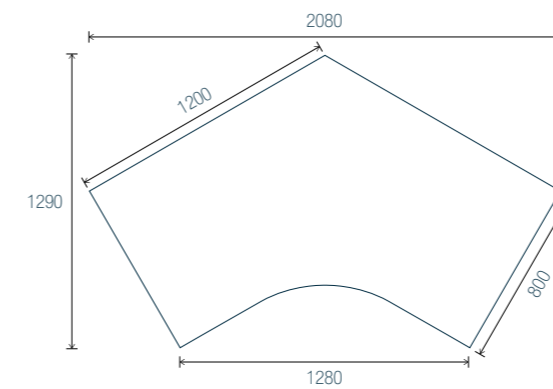


# Overview

## Individual desks with a return - Only for electric version



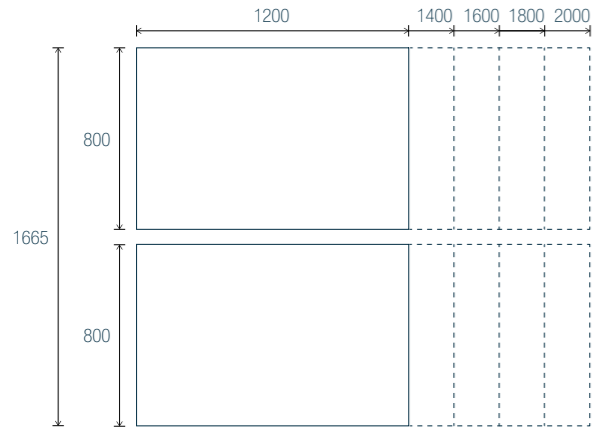
## Individual 120° compact asymmetrical desk - Only for electric version





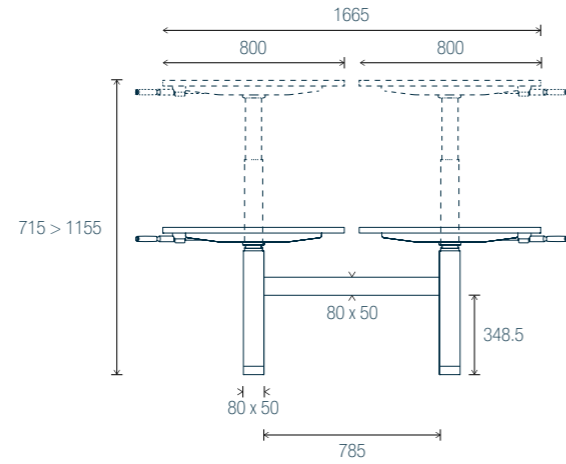
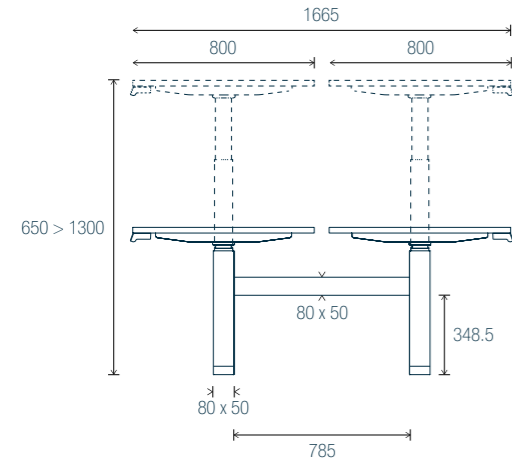
# Overview

## Shared-structure desks



### Electric version

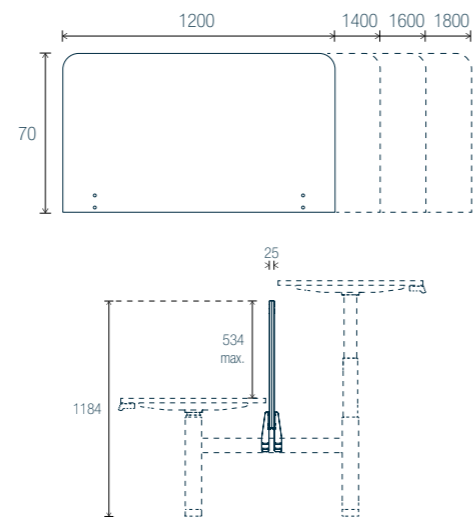
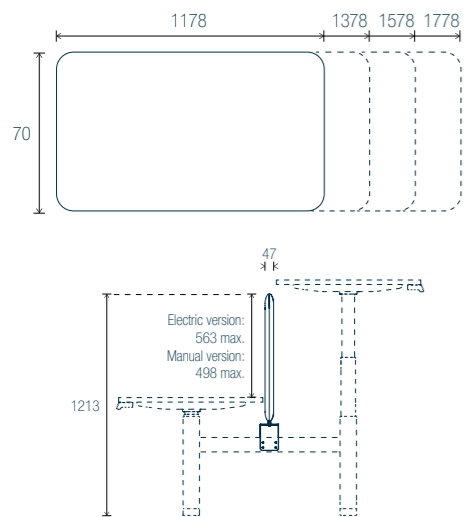
### Manual version



## Fabric-covered desktop screens - For shared-structure desks

### Acoustic Electric and manual version

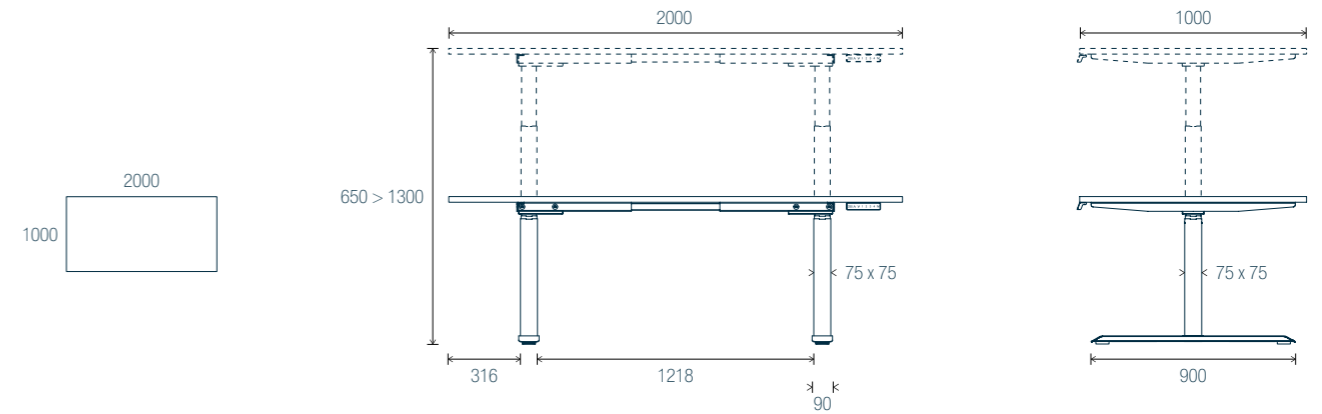
### Non-acoustic Only for electric version



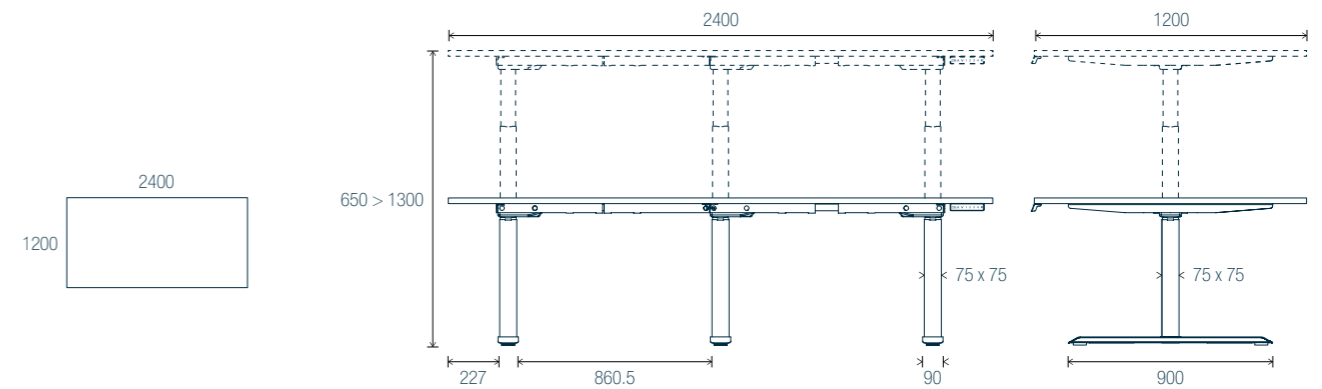
# Overview

## Meeting table - Only for electric version

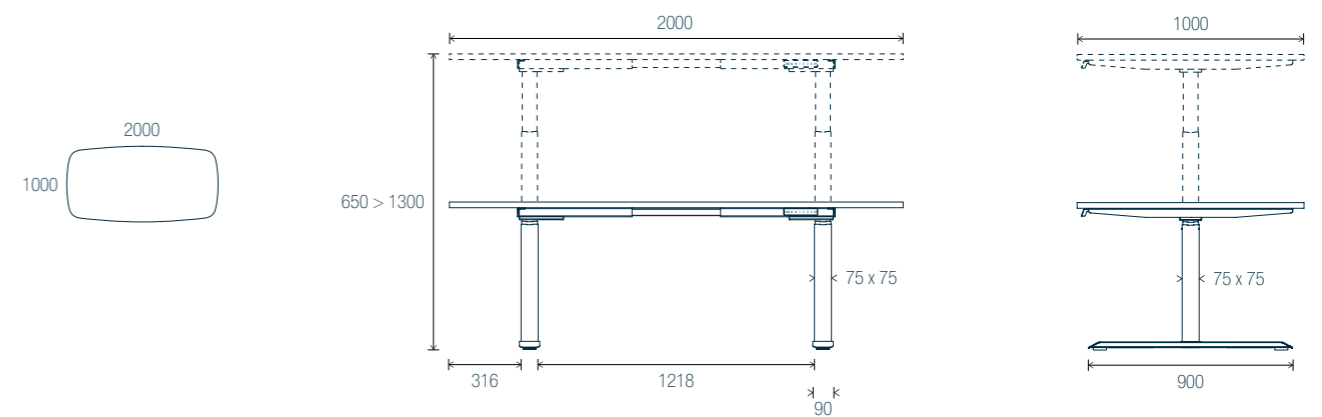
### 2-leg rectangular table



### 3-leg rectangular tables



### Barrel-shaped table





# Shade card

## Melamine - Worktops

### Wood finishes



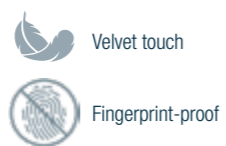
**N8** Maritime pine    **RZ** Lakeland acacia    **R1** Natural oak    **R5** Light beech    **R3** Brunswick oak    **N6** Dark walnut

\*N8 Maritime pine: Plywood edge banding

### Plain colours



**MG** Snow white    **N5** Linen    **R9** Black



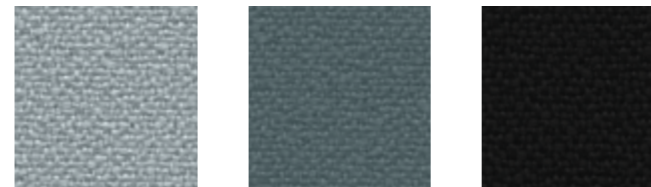
## Metal - Legs



**SO** White    **Z4** Aluminium grey    **SG** Black

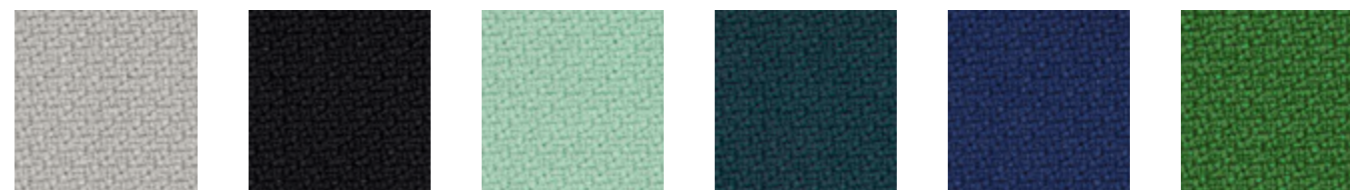
## Fabric - Desktop screens

### Bondai - Cat. A

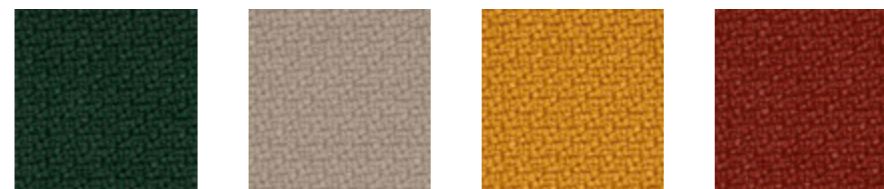


**KD** Cloud grey    **KA** Storm grey    **KE** Black

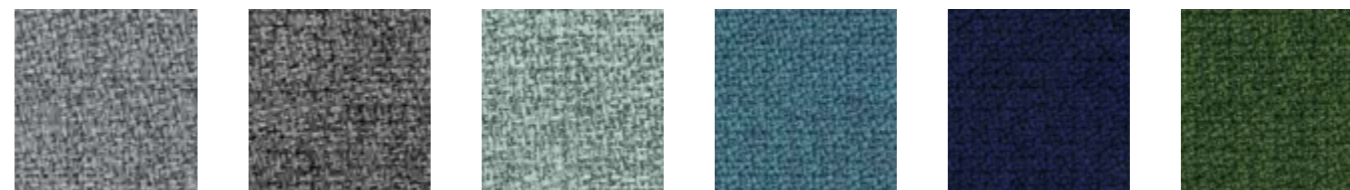
### Step / Step mélange - Cat. B



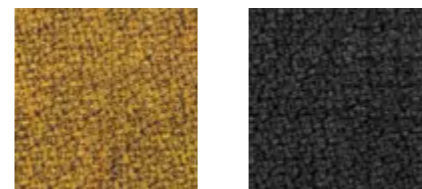
**E5** Light grey    **A6** Black    **E4** Aqua    **A4** Petroleum blue    **A3** Navy blue    **A1** Bamboo



**A9** English green    **A2** Beige    **A5** Mustard yellow    **E6** Brick red



**B5** Mottled light grey    **B1** Mottled graphite grey    **E7** Mottled aqua    **B4** Mottled denim blue    **B6** Mottled navy blue    **B2** Mottled bamboo



**E9** Mottled mustard yellow    **B7** Mottled dark brown



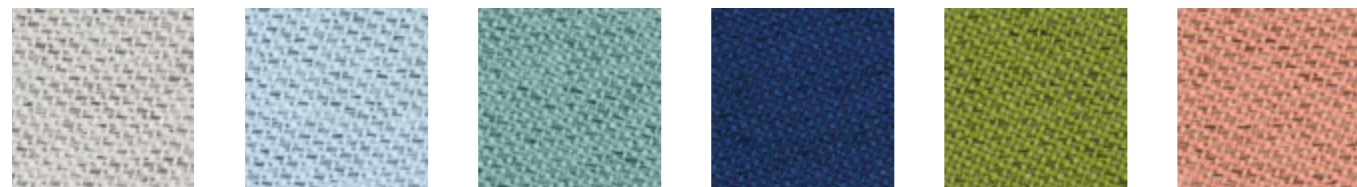
# Shade card



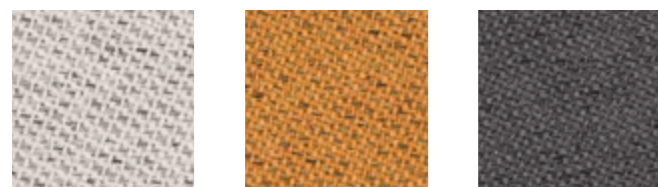
# Technical data sheet

## Fabric - Desktop screens

### Chili - Cat. B



**BC** Mottled light grey    **BF** Mottled frosty blue    **BG** Mottled celadon    **BH** Mottled midnight blue    **BK** Mottled olive green    **BL** Mottled salmon

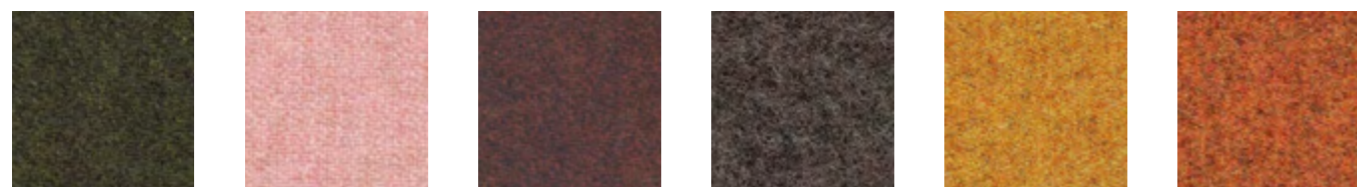


**BM** Mottled beige    **BO** Mottled turmeric    **BN** Mottled cocoa

### Fenice - Cat. D

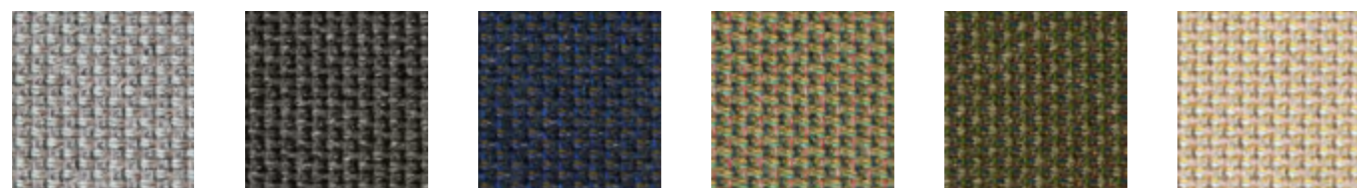


**DA** Mottled light grey    **DB** Mottled graphite grey    **CJ** Mottled light blue    **DC** Mottled dark blue    **DF** Mottled celadon    **DE** Mottled olive green

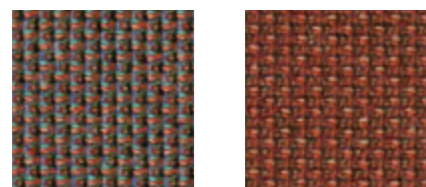


**DG** Mottled dark green    **DH** Powder pink    **DZ** Dark sienna    **DD** Mottled cocoa    **DI** Mottled turmeric    **DJ** Mottled rust red

### Cyber - Cat. D



**T8** Light grey    **T9** Dark grey    **T5** Blue grey    **TZ** Almond green    **TU** Fern green    **TL** Golden beige



**T6** Mottled salmon    **T7** Rust red

## Wood

	Melamine
	Thick 25 mm
	Worktops
Double-sided anti-reflective coating	✓
Finishes	All
MK Black velvet finish Matt, highly resistant to fingerprints/smudging: High-quality multi-layer coating	✓
Shock-resistant, with rounded edges <sup>(1)</sup>	✓
Antibacterial (except MK Black velvet)	✓
Density <sup>(2)</sup>	600 > 670 kg/m <sup>3</sup>
PEFC (sourced from sustainably managed forests)	✓
E05 certified (compliant with standard NF EN 717-2)	✓
Fire rating (compliant with standard EN 13501-1)	Rating M3 (EUROCLASS D-S2, d0) for all finishes; rating M2 for White MG.
Average % from recycled materials (pre- and post-consumer)	68%. Shades R3 and N8 are Cradle to Cradle Certified (90%).
% recyclability	100%
Cleaning	Wipe with a damp cloth and soapy water (soft lint-free cloth for Black velvet MK). Do not use abrasive products or detergents.

<sup>(1)</sup> Edge banding in matching finish to worktops, except for N8 worktops (specific plywood edging) - ABS edge banding thk 2 mm

<sup>(2)</sup> Density: Tolerance +/- 10%

**Fabric**

**Bondai - Cat. A**

Composition	Weight	Abrasion resistance	Light fastness	Fastness to rubbing	Flammability	Environment
100% polyester	350 g/ml (lm) 250 g/m <sup>2</sup> ±5%	150 000 EN ISO 12947-2	6 EN ISO 105-B02	4-5 EN ISO 105 x 12 Wet/Dry	EN 1021 - 1&2 BS 7176 BS 5852 Crib5	STANDARD 100 by OEKO-TEX®

**Chili - Cat. B**

Composition	Weight	Abrasion resistance	Light fastness	Fastness to rubbing	Flammability	Environment
100% flame-retardant post-consumer recycled polyester (FR inside fibres)	470 g/ml (lm) (15.16 oz / lin yd)	60 000 EN ISO 12947-2	5-8 EN ISO 105-B02	4-5 EN ISO 105 x 12 Wet/Dry	EN 1021 - 1&2 NFP 92-503/504/505 M1 NF D 60-013 AM18 BS 7176 BS 5852 Crib 5 DIN 4102 B1 EN 13501	STANDARD 100 by OEKO-TEX® 100% recycled fabric Low emission of VOC

**Step / Step Mélange - Cat. B**

Composition	Weight	Abrasion resistance	Light fastness	Fastness to rubbing	Flammability	Environment
100% trevira® CS	470 g/m <sup>2</sup> (15.16 oz / lin yd)	100 000 EN ISO 12947-2	5-7 EN ISO 105-B02	4-5 EN ISO 105 x 12 Wet/Dry	EN 1021 - 1&2 NFP 92-503/504/505 M1 NF D 60-013 AM18 BS 7176 BS 5852 Crib 5 DIN 4102 B1 EN 13501	STANDARD 100 by OEKO-TEX® EU Ecolabel Non-metallic dyestuffs Low emission of VOC

**Fenice - Cat. D**

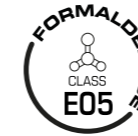
Composition	Weight	Abrasion resistance	Light fastness	Fastness to rubbing	Flammability	Environment
75% wool 25% PA	335 g/m <sup>2</sup> ±7% 500 g/ml (lm) ±7%	100 000 ±20% EN ISO 5470-2	6 ±1% EN ISO 105-B02	4-5 EN ISO 105 x 12 Wet/Dry	EN 1021 - 1&2 BS 5852 Crib 5 CLASS 1 IM CALIFORNIA TB 117	Recyclable fabric

**Cyber - Cat. D**

Composition	Weight	Abrasion resistance	Light fastness	Fastness to rubbing	Flammability	Environment
100% post-consumer recycled polyester	570 g/ml (lm) (18.39 oz / lin yd)	120 000 EN ISO 12947-2	7-8 EN ISO 105-B02	4-5 EN ISO 105 x 12 Wet/Dry	EN 1021 - 1&2 BS 5852 Crib 5 CALIFORNIA TB 117	STANDARD 100 by OEKO-TEX® 100% recycled fabric Low emission of VOC



PEFC is the world's leading forest certification system and largest source of eco-certified forest products.



An **E05 rating** corresponds to a maximum of 0.062 mg/m<sup>3</sup> or a limit of 0.05 ppm and comply with **standard NF EN 717-2** and is the most stringent of the ratings authorised in France for furniture and construction materials



**Antibacterial surface.** Guaranteed on all melamine worktops except MK Black velvet finish



All the components of the desk (top, structure & legs, motor, power supply unit & control unit) are **guaranteed for 10 years**



The desktop screens and options are **guaranteed for 5 years**



Motorised desks (specifically individual desks with worktops D. 80 cm / D. 90 cm, without castors and Bench Desks with 2 x D. 80 cm worktops) comply with the **European standard EN 527 1/2** which sets the dimensions and requirements for safety, resistance and durability of office desks.



**87%** of this range is made from **recycled materials**  
**Axel 2** is a **fully recyclable** range



EUROPEAN  
OFFICE  
FURNITURE  
MANUFACTURER



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