



## TECHNICAL DATA

### structure

leg: made of a 1.5 mm thick square-section steel bar (W. 1" 3/4 D. 1" 3/4) with rounded edges. The tube is laser-cut, bent and welded, forming the two uprights and beam. Four U-shaped brackets, made of 2 mm thick steel sheet, are welded onto the leg beam. These brackets are used to attach the longitudinal beams and to support the worktop. All metal parts are painted with powders with an embossed finish. At the lower end of the leg, a 4 mm thick steel plate is welded with a central hole for screwing in PE coated feet ( $\varnothing$  1" 3/8). The feet allow an adjustment of + 10 mm for floor levelling. All metal parts are painted with powders with an embossed finish.

longitudinal beams: each worktop is supported by two beams made of 1.5-mm-thick steel section bars ( W. 1" 3/4 D. 1" 3/4) with rounded edges, attached to the leg brackets, powder coated with an embossed finish.

intermediate leg (for connecting several benches in line with each other): consisting of a steel section bar beam with a 1.5 mm thick 80x40 rectangular cross-section with rounded edges, closed at the ends by plastic caps. 2 uprights are screwed under the frame by means of a 4 mm thick steel plate, made of 1.5 mm thick square-section steel bars ( W. 1" 3/4 D. 1" 3/4) with radiused edges. On the inner side of the uprights there are slots for the application of an optional inspectable carter with the purpose of concealing the cable descent. A pair of "U" brackets made of 2 mm thick steel sheet are welded on the beam, which is used to attach the longitudinal beams and support the worktops. Each bracket has two fixing positions for the beams, so that the desks can be mounted adjacent to or detached from each other. The lower ends of the uprights are equipped with feet ( $\varnothing$  1" 3/4) made of polyethylene-coated steel, screwed onto polyethylene tips that are press-fitted into the base. The feet allow  $\pm$ 10 mm adjustment for floor levelling. All metal parts are painted with powders with an embossed finish.

### top

melamine: 18 mm thick chipboard (density 720 kg/m<sup>3</sup>, formaldehyde emission compliant with EU Regulation 2023/1464 and EPA TSCA Title VI), faced with anti-reflex melamine resins and edged with ABS (2 mm th. with rounded edges) with matching or contrasting edge. The top is equipped with threaded inserts for attachment to the structure and for fixing the screens. The top is fixed with screws to the brackets which create a 5 mm gap between the top and the leg beam.

H floor-to-top: 74 cm

melamine with tilting cover: (RIBA) in 18-mm thick chipboard (density 720 kg/m<sup>3</sup>, formaldehyde emission compliant with EU Reg. 2023/1464 and EPA TSCA Title VI), finished with anti-reflex melamine resins and edged in ABS (thickness 2 mm with rounded edges) with matching or contrasting edge. The top is equipped with threaded inserts for attachment to the structure. The top is fixed with screws to the brackets, which create a 5 mm space between the top and the leg crossbar.

Between the tops there is a cover made of extruded anodised aluminium, closed at the ends by a pair of transparent ABS caps. The overall length is equal to that of the top. The covers are equipped with hinges (fixed to the central profile) that allow them to rotate (max. opening 90°). When rotated, the cover provides access to the cable tray below.

A dust brush covers the cable passage between the cover and the top. A pair of 2 mm thick powder-coated steel brackets are fixed under the top, which serve as a support base for the cover (limiting its movement when closing) and for supporting the central profile. The use of the tilting cover requires the use of the central screen guide.

H floor-to-top: 74 cm

free-standing bench modules dimensions	W	D	H	W	D	H
	39"3/8	49"1/4	29"1/8	47"1/4	65"	29"1/8
	47"1/4	49"1/4	29"1/8	55"1/8	65"	29"1/8
	55"1/8	49"1/4	29"1/8	63"	65"	29"1/8
	63"	49"1/4	29"1/8	70"7/8	65"	29"1/8
	70"7/8	49"1/4	29"1/8	78"3/4	65"	29"1/8
bench modules dimensions: starting/ intermediate and ending	W	D	H	W	D	H
	39"3/8	49"1/4	29"1/8	47"1/4	65"	29"1/8
	47"1/4	49"1/4	29"1/8	55"1/8	65"	29"1/8
	55"1/8	49"1/4	29"1/8	63"	65"	29"1/8
	63"	49"1/4	29"1/8	70"7/8	65"	29"1/8
	70"7/8	49"1/4	29"1/8	78"3/4	65"	29"1/8
free-standing bench modules dimensions RIBA	W	D	H	W	D	H
	47"1/4	65"	29"1/8	94"1/2	65"	29"1/8
	55"1/8	65"	29"1/8	110"1/4	65"	29"1/8
	63"	65"	29"1/8	126"	65"	29"1/8
	70"7/8	65"	29"1/8	141"3/4	65"	29"1/8
	78"3/4	65"	29"1/8	157"1/2	65"	29"1/8
bench modules RIBA: starting/ intermediate and ending	W	D	H			
	47"1/4	65"	29"1/8			
	55"1/8	65"	29"1/8			
	63"	65"	29"1/8			
	70"7/8	65"	29"1/8			
	78"3/4	65"	29"1/8			
standard finishes for metal leg and beam	metal					
		ZGB1 White embossed painted RAL 9010		ZGAS Aluminium embossed painted RAL 9006		ZGNE Black embossed painted RAL 9005
		ZGV0 Maize yellow embossed painted RAL 1006		ZGR0 Titian red embossed painted RAL 050 50 60		ZGB0 Gentle blue embossed painted RAL 250 60 15
		ZGB1 LED blue embossed painted RAL 260 40 45		ZGG0 Pebble grey embossed painted RAL 7032		ZGG5 Green grey embossed painted RAL 7009
special finishes for metal leg and beam	metal * (special finishes only for leg)					
		ZGV0 Maize yellow embossed painted RAL 1006		ZGR0 Titian red embossed painted RAL 050 50 60		ZGB0 Gentle blue embossed painted RAL 250 60 15
		ZGB1 LED blue embossed painted RAL 260 40 45		ZGG0 Pebble grey embossed painted RAL 7032		ZGG5 Green grey embossed painted RAL 7009

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**metal (beam finish for legs in special finish)**

ZGAS Aluminium  
embossed painted RAL  
9006

**top finish****melamine**

MBI White



MWP Pearl white



MTR Dove



MCE Concrete



MOB Light elm



MRO Oak



MNC Walnut



MFN Black ash



MNV Velvet black

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**melamine with colour-contrasting edge**

GMBI - White with  
green grey edge



NMFI - White with black  
edge



BMOB - Light elm with  
white edge



GMOB - Light elm with  
green grey edge



NMFI - Light elm with  
black edge



GMNC - Walnut with  
green grey edge



NMNC - Walnut with  
black edge



GMNV - Black velvet  
with green grey edge

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**OPTIONALS****1. front screen**

melamine: made of 18-mm-thick chipboard (density 720 kg/m<sup>3</sup>, formaldehyde emission compliant with EU Regulation 2023/1464 and EPA TSCA Title VI), faced with anti-reflex melamine resins, edged with ABS (2-mm thick with radiused edges). It features a standard milling on the lower side for the insertion of the accessory bar (in this case the screen must be rotated 180°). The height of the screen from the desk top is 15" 1/8. A space of 5/8" remains between the screen and the top for cable passage. The front screens are fixed to two clamps. There are two types of clamps: 1) clamps with under-top fixing for screens without a central profile; 2) clamps with fixing above the central profile for screens with a central profile (in this case, cable passage is not permitted). The height reached by the screen is the same in both cases.

Front screen: W. 39" 3/8 / 47" 1/4 / 55" 1/8 / 63" / 70" 7/8 / 78 " 3/4 D. 3/4" H. 15" 1/8.

fabric: made of 18 mm thick fabric-covered chipboard (density 720 kg/m<sup>3</sup>, formaldehyde emission compliant with EU Regulation 2023/1464 and EPA TSCA Title VI). The screen has a milling on the top, hidden under the fabric covering, for the insertion of an accessory bar. The fabric has to be torn in correspondence with the milling in order to insert the bar. The height of the screen from the desk top is 15" 1/8. A space of 5/8" remains between the screen and top for cable routing. The front screens are fixed to two clamps. There are two types of clamps: 1) clamps with under-top fixing 2) clamps with fixing above the central profile. The height reached by the screen is the same in both cases.

Front screen: W. 39" 3/8 / 47" 1/4 / 55" 1/8 / 63" / 70" 7/8 / 78 " 3/4 D. 3/4" H. 15" 1/8.

glass: made of 6 mm thick tempered glass according to EN12150 with flat polished edges, etched on both sides. There is a 7/8" space between the screen and the top for cable passage. The front screens are fixed to two clamps. There are two types of clamps: 1) clamps with under-top fixing 2) clamps with fixing above the central profile. The height reached by the screen is the same in both cases.

Front screen: W. 39" 3/8 / 47" 1/4 / 55" 1/8 / 63" / 70" 7/8 / 78 " 3/4 D. 1/4" H. 15" 1/8

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**2. intermediate and ending side screens**

melamine: made of 18-mm-thick chipboard (density 720 kg/m<sup>3</sup>, formaldehyde emission compliant with EU Regulation 2023/1464 and EPA TSCA Title VI), faced with anti-reflex melamine resins, edged with ABS (2-mm thick with radiused edges). It features a standard milling on the lower side for the insertion of the accessory bar (in this case the screen must be rotated 180°). The height of the screen from the desk top is 15" 1/8. The intermediate side screens are fixed to the top by means of a steel sheet support, while the end side screens are fixed to the top by means of a clamp fitted under the top with a steel plate.

Intermediate side screen: W. 31"1/2 D. 3/4" H. 15"1/8

End side screen: W. 31"1/2/ 49"1/4/ 65" D. 3/4" H. 15"1/8

fabric: made of 18 mm thick fabric-covered chipboard (density 720 kg/m<sup>3</sup>, formaldehyde emission compliant with EU Regulation 2023/1464 and EPA TSCA Title VI). The screen has a milling on the

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top, hidden under the fabric covering, for the insertion of an accessory bar. The fabric has to be torn in correspondence with the milling in order to insert the bar. The height of the screen from the desk top is 15" 1/8. The intermediate side screens are fixed to the top by means of a steel sheet support, while the end side screens are fixed to the top by means of a clamp fitted under the top with a steel plate.

Intermediate side screen: W. 80 D. 3/4" H. 15"1/8

End side screen: W. 49"1/4 / 65" D. 1/4" H. 15"1/8

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glass: made of 6 mm thick tempered glass according to EN12150 with flat polished edges, etched on both sides. There is a 7/8" space between the screen and the top for cable passage. The side end screens are secured to the top using a clamp fixed underneath the top with a steel plate.

End side screen: W. 31"1/2 / 49"1/4 / 65" D. 1/4" H. 15"1/8

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3. sound-absorbing screen	30 mm thick panel with recycled polyester fibre interior (average density 50 kg/m3), edged on three sides with 1 cm thick forex reinforcement. Base in 3x3 cm shaped plywood with sockets for the insertion of the fixing hardware. The panel is then covered in fabric and fixed to the base with metal clips. Total thickness 1" 1/4. W. 39"3/8 / 47"1/4 / 55"1/8 / 63" / 70"7/8 / 78"3/4 D. 1" 1/4 H 15" 1/8
4. central profile for screens	extruded profile (D. 1" 3/4 H. 3/4") in anodised aluminium, closed at the ends by a pair of transparent ABS end caps. Fixed to a pair of brackets (W. 15" 3/4 D. 1" 5/8 H. 5/8"), made of 2 mm thick powder-coated steel sheet, with metric screws and nuts inserted in the corresponding recesses. Inside the recess there are slotted through holes for attaching the screens.
5. hand-pad	1.5 mm thick steel sheet covered in eco-leather. W. 31" 1/2 P. 19" 3/4
6. hanging drawer	consisting of structure, drawer and front made of 0.8 mm thick steel sheet painted with powders in an embossed finish. The drawer slides on damped ball bearing runners with partial extension. The bottom is equipped with 4 threaded inserts for attaching the helmet/bag holder. The maximum load capacity is 6.6 lbs. Useful internal dimensions: L. 13" 1/4 P. 14" 1/2 H. 2" 3/4; External dimensions: L. 16" 1/2 P. 15" 3/8 H. 4".
7. helmet/bag holder	made of 1.2 mm thick steel sheet painted with powder with an embossed finish. Fastened to the lower part of the drawer structure with metric screws. The back is 3"7/8 high. Maximum load capacity is 17,6 lbs. W. 16" 1/2 D. 14"3/4 H. 12" 5/8.
8. accessory bar	consisting of an extruded aluminium bar and supplied with 3 caps (2 end caps and 1 intermediate cap) made of ABS. W. 39" 3/8 / 47" 1/4 / 49" 1/4 / 55" 1/8 / 63" / 65" / 70" 7/8 / 7" 7/8 D. 3/4" H. 1/4"
9. document holder	made of 1 mm thick folded steel sheet, powder coated with an embossed finish and open on the front side. It does not require fastening as it is shaped to hook onto the accessory bar. W. 13" D. 9" H. 7"7/8.
10. shelf for document holder	1 mm thick steel sheet, bent and powder-coated with and embossed finish. To be placed on dox holder. W. 13" D. 9" H. 3"7/8.
11. stationary tray	1 mm thick steel sheet folded and powder coated with an embossed finish. Does not require fastening as it is shaped to hook onto the accessory bar. W. 11"3/4 D. 3"7/8 H. 1".
12. A4 paper tray	made of 1 mm thick steel sheet, folded and powder coated and open on the front side. It does not require fastening as it is shaped to hook onto the accessory bar. W. 13" D. 9" H. 2".
13. objects tray	made of 1 mm thick steel sheet, folded and powder coated with an embossed finish. It does not require fastening as it is shaped to hook onto the accessory bar. W. 5"1/8 D. 3"7/8 H. 3"7/8.
14. CPU holder	(PCPU01) made of 1 mm thick steel sheet, folded and powder-coated with an embossed finish. Fixed to the top with wooden screws. The maximum load capacity is 22 lbs. W. 8" 5/8 D. 19" 3/4 H. 21" 7/8.

15. height and width-adjustable CPU holder	(EEPCA) consisting of a plastic-coated metal supporting structure, base and side supports to hold the computer case in place. Comes with an upper bracket to secure it to the work surface using wooden screws. The side and top supports are adjustable to fit different case sizes. Height adjustment (internal space): 15" 3/8 to 21" 1/4; Width adjustment (internal space): 5" 1/8 to 9". The maximum load capacity is 66 lbs.
16. top access	<u>metal</u> : made of anodised or powder-coated extruded aluminium with two ABS closing elements. The upper part features an anodised or powder-coated extruded aluminium door and a dust cover profile. The door can be hinged open only on one side. W. 12" 1/2 D. 4" 3/4 H. 1"
17. cable tray	made of 1 mm thick U-shaped powder-coated steel sheet. The tray interlocks with the top access frame. Fitted with holes on the lower side that can be used for attaching multiple-plug sockets (by means of screws or clamps, not included) or for earthing (by screwing the cable lug for earthing with screw and bolt, not included). W. 11"3/8 D. 3"3/4 H. 3"7/8.
18. height-adjustable cable tray	made of 1 mm thick steel sheet painted with powders with an embossed finish and open on the sides to allow cable routing to adjacent locations. On the underside there are 4 holes (Ø 2" 1/8) for grounding the cables and other holes that can be used for attaching multiple-plug sockets (by means of screws or clamps, not included) or for earthing (by screwing the cable lug for earthing with screw and bolt, not included). Each side is equipped with two sets of slots at a pitch of 5/8" for attaching the supporting brackets and allowing them to be adjusted in height. The supporting brackets are made of 1.5-mm-thick epoxy-powder-coated steel plate and are attached to the beams. Side end caps, made of 1 mm thick epoxy powder-coated steel sheet with an embossed finish, are available on request and can be attached to the tray. Tray - top distance: 3" 1/4 to 4" 7/8 (depending on the setting) W. 39" 3/8 / 47" 1/4 /55" 1/8 / 63" / 70" 7/8 D. 13" 3/8 H. 27" 9/8
19. vertical cable duct	composed of a 3 mm thick folded powder coated steel sheet base (W. 5' 7/8 D. 5' 7/8 H. 1/4') and a series of rectangular plastic elements (W. 2" 1/2 D. 1" 5/8 H. 1" 1/8) joined together to guide the cables to the top. For each vertebra there are 45 elements (H. max. 33" 1/8). At the end there is an element for fixing the vertical cable management to the top (using self-tapping wood screws).
20. carter for vertical cable management	consisting of a 1 mm thick folded steel sheet base, powder-coated with an embossed finish. 2 magnets with a diameter of 3/4" are located in the hollow part for direct attachment to the metal leg. W. 2" D. 1" H. 22"
21. removable carter (for intermediate leg)	made of 1 mm thick powder-coated steel plate and fitted with hooks for attachment to the middle of the legs. A space of 1"5/8 remains between the floor and the lower edge of the carter to allow for the passage of cables. The same space is available at the top between the leg beam and the upper edge of the carter. W. 6" 1/2 D. 2" H. 23" 1/4.
22 central cover	in 1.2 mm thick powder-coated steel plate. The cover hooks onto a pair of 1.5 mm thick sheet steel plates (W. 6" 1/8 D. 1" 1/8) fixed under the top with metric screws. W. 39" 3/8 / 47" 1/4 /55" 1/8 / 63" / 70" 7/8 / 78" 3/4 D. 1" 1/8 H. 3/4"
electrification	the desk can be equipped with the following electrification: VERSATEK - ALUPOWER (please refer to the electrification section for more specifications).

## ABACUS | Bench

2 persons bench

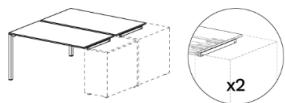


4 persons bench

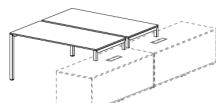


### Hanging bench

2 persons bench with attachment to 2 H. 29" 1/8 cabinets  
D. 49"1/4/65"



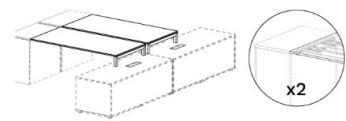
2 persons bench for 2 P. 65"  
supporting service units



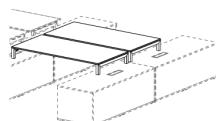
2 persons bench with attachment to 4 H. 29"1/8 cabinets  
D. 49"1/4/65"



2 persons bench with attachment to 2 H. 29"1/8 cabinets and 2 65"  
supporting service units



2 persons bench for 4 D. 65"  
supporting service units

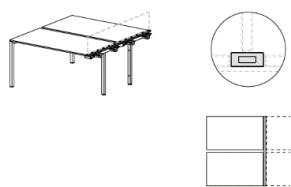


### Bench for composition INITIAL

2 persons initial bench



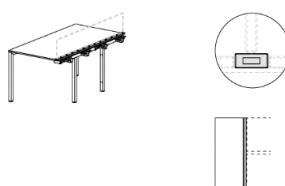
2 persons initial bench with profile for side screen



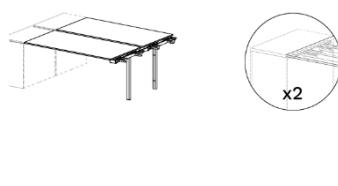
1 person starting desk



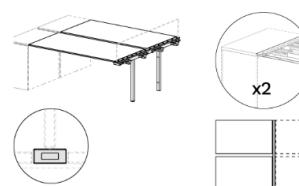
1 person starting desk with profile for screen



2 persons initial bench with attachment to 2 service units



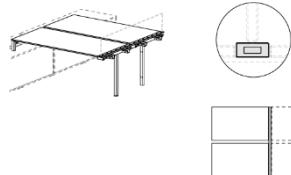
2 persons initial bench with profile for side screen with attachment to 2 service units



2 persons starting bench for 2 supporting service units



Starting bench with profile for side screen for 2 supporting service units

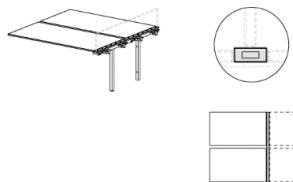


## INTERMEDIATE

2 persons intermediate bench



2 persons intermediate bench with profile for side screen



## ENDING

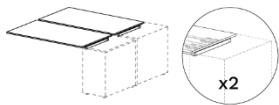
2 persons ending bench



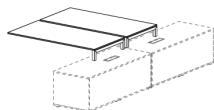
1 person ending desk



2 persons ending bench for attachment to 2 cabinets



2 persons ending bench for 2 supporting service units



## RIBA

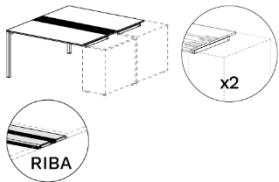
2 persons bench



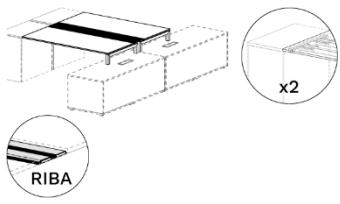
4 persons bench



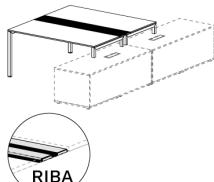
2 persons bench for attachment to 2 H.29"1/8 cabinets



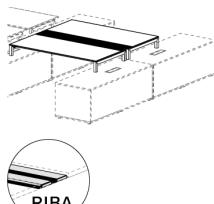
2 persons bench for attachment to 2 H. 29"1/8 cabinets and 2 supporting service units



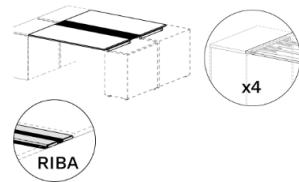
2 persons bench for 2 supporting service units



2 persons bench for 4 supporting service units

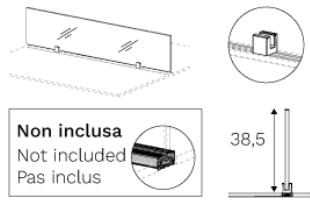
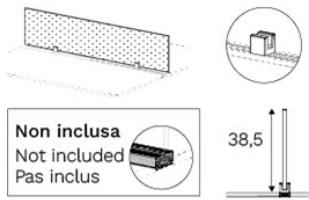
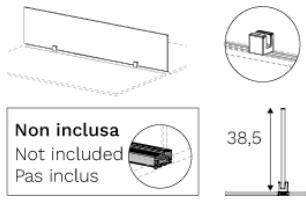


2 persons bench for attachment to 4 H.29"1/8 cabinets



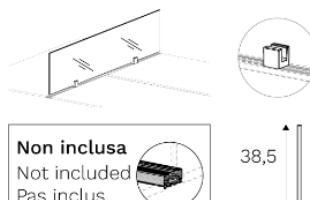
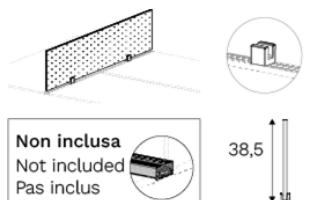
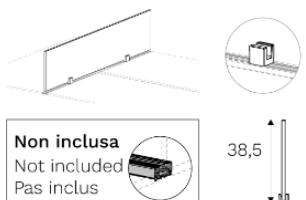


front screen for central profile



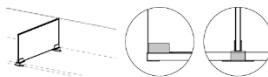
melamine

side screens for central profile

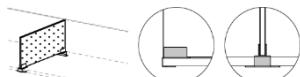


2. intermediate side screens

melamine W. 31"1/2

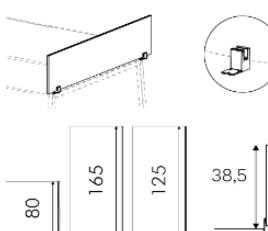


fabric W. 31"1/2

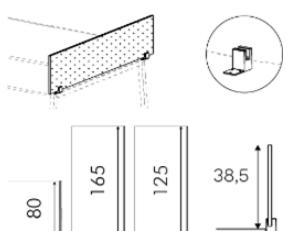


end side screens

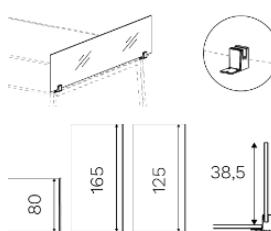
Melamine



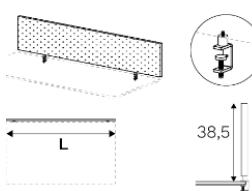
fabric



glass



3. sound-absorbing screen



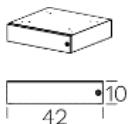
4. central profile



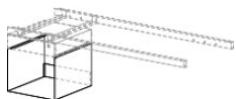
5. hand-pad



6. hanging drawer



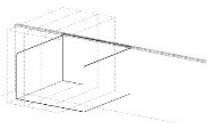
7. helmet/bag holder



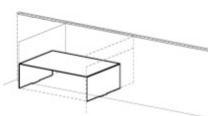
8. accessory bar



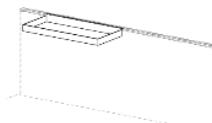
9. document holder



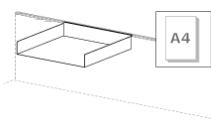
10. shelf for document holder



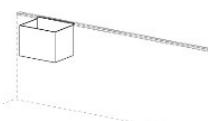
11. stationary tray



12. A4 paper tray



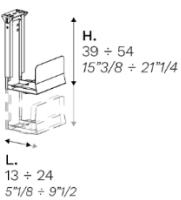
13. object tray



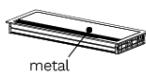
14. CPU holder



15. height-adjustable CPU holder



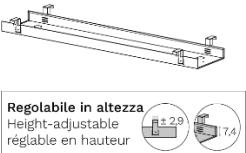
16. top access



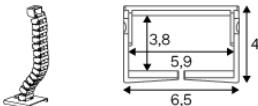
17. cable tray



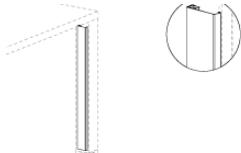
18. height-adjustable cable tray



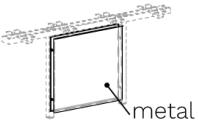
19. vertical cable duct



20. carter for vertical cable management



21. removable carter  
(for intermediate leg)



22. central cover

