PAL SPINA

Design: S.I. Design

TECHNICAL DATA

structure	consisting of two metal legs, upper aluminium profile and finishing panels.
structural profile	in aluminium, closed at the bottom by a folded metal sheet. The profile is used to hook the desks and has an upper central groove which is necessary to fix the partition screens and other accessories.
leg	available in two versions:
	t-shaped leg: consisting of a vertical steel upright with a rectangular 80x40 mm cross-section, 1.5 mm thick with rounded edges. The upright is attached by screws to a 2 mm thick steel plate base measuring 68x70x20 mm, closed at the ends by two plastic caps. Two feet are attached to the base, allowing +5 mm adjustment for a correct levelling to the floor.
	inverted V-shaped leg: consisting of a vertical steel upright with a rectangular 80x40 mm cross-section, 1.5 mm thick with rounded edges. Two 2 mm thick steel tubes with a square cross-section (40x40 mm) are welded to it, inclined at an angle of 70° in relation to the upright. The lower parts are fitted with adjustable feet for a correct levelling to the floor.
	In the upper part of both uprights, a steel tube with a 20x70 mm rectangular cross-section, 2 mm thick, is welded, which is used to hook the leg to the upper structural profile. In addition, 2 C-shaped brackets are attached to the vertical upright for the attachment of the finishing panels. The legs are epoxy powder-coated with an embossed finish.
finishing panels	Each Spina module is made up of two melamine or fabric-covered finish panels.
	melamine: 12 mm th. (density 720 Kg/m³, formaldehyde emission class E1, meeting the CARB requirements), coated with anti-reflective melamine resins and edged in ABS thickness 2 mm, with rounded edges.).
	fabric: 12 mm thick melamine (density 720 kg/m³, formaldehyde emission class E1, meets CARB requirements), faced with anti-reflex melamine resins and edged with ABS (2 mm thick with rounded edges). The panel is then covered in fabric, which gives it a total thickness of 13 mm.
	A metal tray is fixed between panel and panel in the lower part, acting not only as a cable tray by allowing the cables to be lowered to the ground through special openings, but also as a spacer between the panels to ensure their verticality. The panels can be equipped for the insertion of a socket with 1 plug (Schuko DE or UK) or 2 USB (5V A+C).
connections	The Spina modules can be connected to each other via intermediate legs that serve as 2-way 90°, 120° and 180°, 3-way 90° and 120° and 4-way 90° connections.

	for the 90° connection, the intermediate leg is made of a vertical steel upright, with a 60x60 cm square cross-section, to which 2 mm thick steel tubes with a 20x70 mm rectangular cross-section are screwed at the top.
	for the 120° connection, the intermediate leg consists of a vertical aluminium upright with a triangular cross-section, to which 2 mm thick steel tubes with a 20x70 mm rectangular cross-section are screwed to the top.
	for the 180° connection, the intermediate leg consists of a vertical steel upright, with a 50x50 cm rectangular cross-section, to which a tube with a 2 mm thick rectangular cross-section equal to 20X70 mm is welded at the top. The vertical upright is fixed by screws to a base measuring 20X20 cm to give the system additional stability.
	The rectangular-section steel tubes allow the connection to be attached to the upper structural profile of the module in order to create multi-way compositions. C-shaped brackets are provided in all uprights for the attachment of finishing panels. All connections are epoxy powder coated with an embossed finish.
dividing screen	melamine: made of 18-mm-thick chipboard (density 720 kg/m³, formaldehyde emission class E1, meets CARB requirements), faced with antireflex melamine resins and edged with ABS (0,45 mm thick with rounded edges).
	fabric: 18 mm thick melamine (density 720 kg/m³, formaldehyde emission class E1, meets CARB requirements), faced with anti-reflex melamine resins and edged with ABS (0,45 mm thick with rounded edges). The panel is then covered in fabric, which gives it a total thickness of 20 mm.
	glass: clear 6 mm thick toughened glass according to EN12150 with flat polished edges.
	The screen is fixed to studs screwed into the groove of the upper structural profile. Screen height 36.5 cm.
structure finishes	**Metal** ZGBI - White ZGNE - Black ZGV0 – Maize yellow ZGR0 – Titian red ZGB0 – Gentle blue ZGB1 –LED blue ZGG0 – Pebble grey ZGG5 – Green grey
finishing panels finishes	**Melamine** MBI White MTR Dove grey MCE Concrete MOB Light elm MRO Oak MNT American walnut MNC Walnut MNE Black **Fabric** Cat. D King Flex Cat. F Step - Chili
	Melamine MBI White MTR Dove grey MCE Concrete MOB Light elm MRO Oak MNT American walnut MNC Walnut MNE Black **Fabric** Cat. D King Flex Cat. F Step - Chili **Glass** VØØ – Clear glass

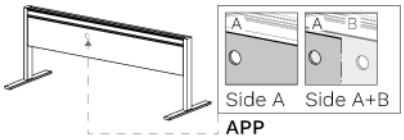
OPTIONALS

1. library	melamine element consisting of two 12 mm thick panels, one upper and one lower, while the vertical panels are 18 mm thick. The module has two electrification sockets (DE or UK) and is fixed to a metal joint attached to the upper profile with screws.
2. object holder	in metal with dimensions of 78x15 cm. It is fixed to a metal joint attached to the upper profile with screws.
3. shelf	central: made of a chipboard panel (density 720 kg/m^3, formaldehyde emissions class E1, meets CARB requirements), 18 mm thick, faced with anti-reflection melamine resins and edged with ABS (2 mm thick with rounded edges). The shelf has an hexagonal shape with maximum dimensions of 80x40 cm, and is is fixed to a metal joint attached to the upper profile with screws.
	trapezoidal: made of a chipboard panel (density 720 kg/m^3, formaldehyde emissions class E1, meets CARB requirements), 18 mm thick, faced with anti-reflex melamine resins and edged with ABS (2 mm thick with rounded edges). The shelf has a trapezoidal shape with maximum dimensions of 80x35 cm and can be used as a desk. It is fixed to a metal joint attached to the upper profile with screws.
4. open melamine units	available in two widths 40 and 80 cm. The 40 cm wide container is also available in a 360° swivel version. The units are made of 18 mm thick melamine and are fixed to a metal joint attached to the upper profile with screws.

ABACUS – Pal Spina

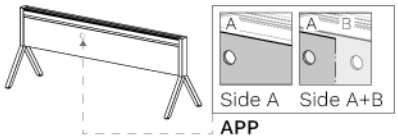
FREESTANDING MODULE

T-SHAPED LEG



W. 128 cm D. 8,2 cm H. 74 cm
W. 148 cm D. 8,2 cm H. 74 cm
W. 168 cm D. 8,2 cm H. 74 cm
W. 188 cm D. 8,2 cm H. 74 cm

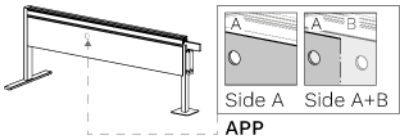
INVERTED V-SHAPED LEG



W. 128 cm D. 8,2 cm H. 74 cm
W. 148 cm D. 8,2 cm H. 74 cm
W. 168 cm D. 8,2 cm H. 74 cm
W. 188 cm D. 8,2 cm H. 74 cm

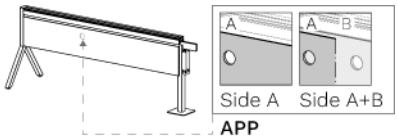
INITIAL MODULE FOR IN-LINE COMPOSITION

T-SHAPED LEG



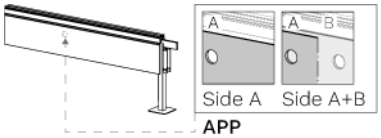
W. 124 cm D. 8,2 cm H. 74 cm
W. 144 cm D. 8,2 cm H. 74 cm
W. 164 cm D. 8,2 cm H. 74 cm
W. 184 cm D. 8,2 cm H. 74 cm

INVERTED V-SHAPED LEG



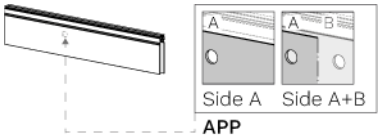
W. 124 cm D. 8,2 cm H. 74 cm
W. 144 cm D. 8,2 cm H. 74 cm
W. 164 cm D. 8,2 cm H. 74 cm
W. 184 cm D. 8,2 cm H. 74 cm

INTERMEDIATE MODULE FOR IN-LINE COMPOSITION



W. 120 cm D. 8,2 cm H. 74 cm
W. 140 cm D. 8,2 cm H. 74 cm
W. 160 cm D. 8,2 cm H. 74 cm
W. 180 cm D. 8,2 cm H. 74 cm

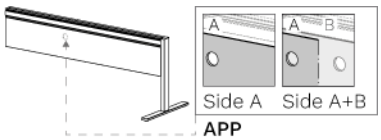
INTERMEDIATE MODULE WITHOUT LEGS FOR INTERMEDIATE LEG/HIGH TABLE



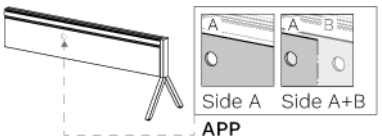
W. 120 cm D. 8,2 cm H. 74 cm
W. 140 cm D. 8,2 cm H. 74 cm
W. 160 cm D. 8,2 cm H. 74 cm
W. 180 cm D. 8,2 cm H. 74 cm

FINAL MODULE FOR IN-LINE COMPOSITION

T-SHAPED LEG



INVERTED V-SHAPED LEG

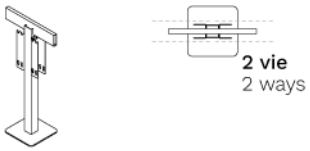


W. 124 cm D. 8,2 cm H. 74 cm
W. 144 cm D. 8,2 cm H. 74 cm
W. 164 cm D. 8,2 cm H. 74 cm
W. 184 cm D. 8,2 cm H. 74 cm

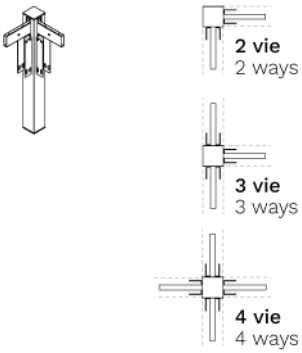
HIGH TABLE TO BE HANGED TO PAL SPINA

W. 60 cm D. 60 cm H. 105 cm

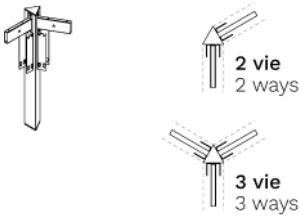
2-WAY 180° INTERMEDIATE LEG



2/3/4-WAY 90° INTERMEDIATE LEG

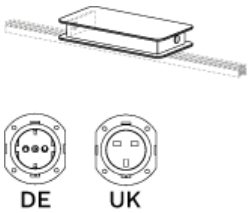


2/3-WAY 120° INTERMEDIATE LEG



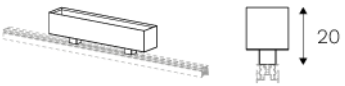
ABACUS – Optional

1



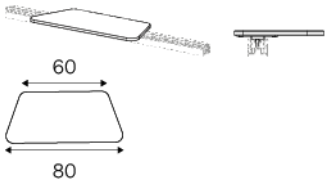
LIBRARY

2

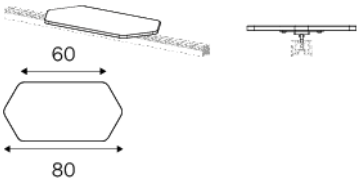


OBJECT HOLDER

3

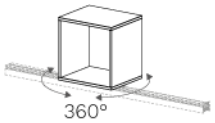


TRAPEIZOIDAL SHELF

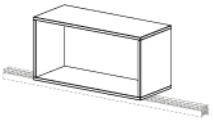


CENTRAL SHELF

4



360° SWIVEL OPEN UNIT



OPEN UNIT