Sympas

TECHNICAL DESCRIPTION

ASSMANN

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Technical description, Sympas

Materials
Sympas components are made of high-quality materials that meet all current standards and guidelines.

Panel material
The table elements are made of high-quality, three-layer chipboard with direct melamine resin coating according to DIN EN 14322, in plain surfaces or with various wood décors, sealed on all sides with 3 mm PP (polypropylene) edging. Laser application. The surfaces are highly resilient and scratch-resistant. Moreover, the panels satisfy the test requirements of the Blue Angel eco-label RAL UZ 38.

Note: With the exception of the melamine surfaces black décor, signal white décor and the veneer surfaces ash black veneer and walnut veneer, the degree of gloss and reflection corresponds to DIN Technical Report 147 and was approved within the scope of testing for the GS mark.

The system
- Desks with manual height adjustment
- Desks with electric height adjustment
- Device tables
- Conference tables
- Connecting elements
- Trapezoid elements
- Conference add-ons
- Knee room panels
- Power connections
- CPU and printer mounts

Requirements for the system dimensions for desks and rectangular desks
Width range: 800 mm, 1000 mm, 1200 mm, 1400 mm, 1600 mm, 1800 mm, 2000 mm
Depth range: 600 mm, 800 mm, 900 mm, 1000 mm

Free-form desks:
Width range: 1600 mm, 1800 mm, 2000 mm
Depth range: 800/1000 mm, 1000/800 mm, 1000/1000 mm

Combined-form desks:
Width range: 1800 mm, 2000 mm or 2165 mm, 2365 mm, 2565 mm, 1200/1200 mm
Depth range: 800/1200 (1400) (1600) mm, 1200 (1400) (1600)/800 mm, 800/800 mm

(Some models are not available in certain widths and heights)

System design characteristics
Sympas is a platform system with various leg frames. The basic frame consists of a symmetrically manufactured upper system frame for table widths of 800 mm to 2000 mm and table depths of 600 mm to 1000 mm. Various 4-leg variants can be screwed to the upper system frame from above to form a solid joint using one hexagon socket screw per leg. A T-foot variant is also available in which each side panel is attached to the upper frame by 2 hexagon socket screws. Stability is further increased by an additional strap, which is screwed to the table top.
Solvent-free, environmentally friendly powder coatings with a minimum layer thickness of 60 µm are applied to all frame parts.

Various frame leg variants are available:

4-leg
A stable and solid welded assembly enables attachment of the desk leg to the upper system frame.

- Square tube (50 × 50 mm)
- Round tube (D = 60 mm)
- Table height 680 – 820 mm: plastic insert for infinite height adjustment without tools

- Table height 650 – 850 mm: telescopic slide (tube in tube) for infinite height adjustment using an Allen key.

T-leg
- Square tube (60 × 60 mm)
- Round tube (Ø = 70 mm)

A stable and solid welded assembly enables attachment of the side part to the upper system frame.

Table height 650 – 850 mm: (basic tables) telescopic slide (tube in tube) for infinite height adjustment using an Allen key, with base adjustment screws to compensate for floor unevenness (+15 mm).

Table height 620 – 1270 mm: rectangular tube (Ø = 80/50 mm), infinite electric height adjustment; one motor unit per frame side part One central unit (control box) drives the individual motor elements. Collision protection is a standard series-fitted feature to prevent damage to solid objects located in the table's movement range. An optional memory function is also available. Base adjustment screws enable compensation for floor unevenness (+15 mm).

System upgrades and add-ons

L-shaped arrangement (basic tables)
In the L-shaped arrangement, a complete desk with two cantilever legs (or 4 frame legs) is connected to an extension table with one cantilever leg (or 3 frame legs) at a 90° angle. This arrangement eliminates one cantilever leg, i.e. a complete leg, in the swivel range of the legs.

Connecting elements (basic table)
Connecting elements are solidly attached to the desk's upper system frame. With connecting elements, one frame leg (4-leg) in the swivel range of the legs can be dispensed with.

Conference add-ons (basic table)
Conference add-ons are solidly attached to the desk's upper system frame.

Conference add-ons (stand-or-sit tables)
Conference add-ons are solidly attached to the lifting column of the desk and their height can be adjusted separately, i.e. independently of the table height. The panels of the configuration satisfy the legally prescribed minimum distances with regard to shearing and crushing points.

PC mounts
The PC mounts are available in three variants:

- PC mount with strap, moves up and down with the table: for mounting under the table top, with strap to securely hold the computer in place. The mount is screwed directly under the table top and moves up and down with the tabletop.

- PC mount with clamping carriage, moves up and down with the table: for assembly on the upper frame; can be used for external and internal assembly. The mount moves up and down with the table top and is suitable for computer heights from 380 mm to 440 mm. The setting range for computer width is 50 mm to 202 mm for external installation and 142 mm to 202 mm for internal installation. The computers are attached without tools to an anti-slip support panel (200 mm × 100 mm). The CPAV is suitable for table depths of 800 mm and above.

- PC mount with clamping carriage, installed on frame leg: for mounting on the frame leg (T-foot variant), with width-adjustable sliding carriage (180 – 230 mm) to suit the PC width. The mount is clamped to the table column and can be attached both internally and externally. The max. computer height is 440 mm for internal assembly.

Each of the three variants has a maximum load-bearing capacity of 15 kg.

Laptop drawer
Laptop drawer, with a usable support surface of (W × D) 412 × 411 mm, pulls out up to 370 mm and is height-adjustable from 70 – 140 mm. This allows for easy mounting underneath the table top.

The maximum load-bearing capacity is 10 kg.

Printer mount
The printer mount has a support surface of 450 × 500 mm and is attached to the side of the table. The top edge of the panel is 250 mm below the top edge of the desk (for 25 mm panel thickness).

The maximum load-bearing capacity is 15 kg.

Knee room panels
Knee room panel fixed: Panel height 400 mm, flexible positioning and mounting of the brackets to the table top. Available knee room panel fillings include materials such as high-quality, three-layer chipboard coated with melamine resin and real wood, and metal. The thickness of the fillings should be 2 mm (metal) or 8 mm (wood) for aesthetic reasons. The panels are screwed in place using the knee room panel brackets.

Power connections

Horizontal cable routing
Four different cable duct versions are available.

- Horizontal cable duct, fixed: horizontal cable duct made of powder-coated steel, flexible positioning and mounting of the cable duct on the table top. The duct provides sufficient space for sockets and excess cable lengths.

- Horizontal cable duct, flexible: horizontal cable duct made of powder-coated steel, flexible positioning and mounting of the cable duct on the table top by means of sturdy plastic brackets. The duct can be folded down on the user or visitor side as required. Strain relief fittings are used to secure the cables. The duct provides sufficient space for sockets and excess cable lengths.

- Horizontal cable duct, frame: (only for stand-or-sit tables): horizontal cable duct made of powder-coated steel, fixed positioning and mounting of the cable duct on the upper frame of the table frame by means of sturdy plastic brackets. The duct can be folded down on the user or visitor side as required. Strain relief fittings are used to secure the cables. The duct provides sufficient space for sockets and excess cable lengths.
- Horizontal cable duct, sliding (only for stand-or-sit tables): a smoothly gliding sliding panel function is optionally available for selected panel shapes. In this case, additional sliding panel adapters are mounted under the table top as a guide for panel movement on the upper system frame. A horizontal cable duct made of powder-coated steel, with fixed positioning and mounting on the upper frame of the table frame by means of sturdy plastic brackets, allows for generous access to the cable duct. The duct can be folded down on the user or visitor side as required. Strain relief fittings are used to secure the cables. The duct provides sufficient space for sockets and excess cable lengths. A sliding panel lock and trap protection (in the case of wall or block arrangements) are included in the set.

Vertical cable routing
Vertical routing of the cables is carried out via a pluggable cable routing that can be attached to the frame leg or a cable chain that is attached to the table top.
An optional cable chain is available for stand-or-sit tables, which ensures cable routing from the underside of the table top to the floor.

General
The materials can be separated for disposal and are fully recyclable. The desk system has been subjected to mandatory testing according to GS guidelines and authorises the holder to use the "GS tested safety" quality mark. Only chipboard of emission class E05 or CARB II is used, in accordance with the statutory requirements. All panel materials meet the test conditions of the Blue Angel eco-label RAL UZ 38 and are PEFC certified. The company ASSMANN BÜROMÖBEL GMBH & CO. KG has installed a quality management system and is certified according to DIN EN ISO 9001. In addition, the production sites are audited by a neutral and independent company and are therefore entitled to carry the EMAS logo. Our environmental management system has been certified according to DIN EN ISO 14001, guaranteeing consistent quality.

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