

Solos

TECHNICAL DESCRIPTION



ASSMANN

Technical description, Solos

Materials

Solos 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, all 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.

Frame parts (metal)

Longitudinal crossbars, side brackets and adapters are made of high-quality steel and are equipped with a scratch-resistant, environmentally friendly powder coating.

Frame parts (plastic)

Plastic parts are made of PP or ABS, assigned a material code and can therefore be disposed of separately.

The system consists of the following basic elements:

Desks with or without height adjustment

- Bench work tables
- Device tables
- Conference tables
- High desk
- Conference add-ons
- Knee room panels
- Power connections
- CPU and printer mounts

Requirements for the system dimensions

Rectangular desks

- Width range: 800 mm, 1000 mm, 1200 mm, 1400 mm, 1600 mm, 1800 mm, 2000 mm, 2200 mm, 2400 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 i.e. 2165 mm, 2365 mm, 2565 mm, i.e. 1200/1200 mm
- Depth range: 800/1200 (1600) mm, 1200 (1600)/800 mm, 800/800 mm

Bench work tables

- Width range: 1200 mm, 1400 mm, 1600 mm, 1800 mm, 2000 mm, 2200 mm, 2400 mm
- Depth range: 1200 mm, 1400 mm, 1600 mm, 1800 mm

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

System structure

Basic frame

The basic frame consists either of two crossbars (single table) or four (double bench), with the dimensions 40 × 40 mm for table widths from 800 mm to 2000 mm. The crossbars are screwed firmly to the side brackets on the left and right by means of a special connection technique. A 5 mm gap between the side bracket and the table top creates the impression of a slightly floating top.

Side brackets

- Rectangular tube (70 × 30 mm)
- Welded steel tube, powder-coated
- Available in the following designs:

Table height 740 mm

- Fixed table height
- Base adjustment screws to compensate for floor unevenness (+/- 10 mm)

Table height 650 – 850 mm

- Telescopic slide (tube-in-tube) for grid height adjustment (10 mm grid)
- Adjusted using an Allen key
- Adjusted without tools using a folding lever
- Base adjustment screws to compensate for floor unevenness (+/- 10 mm)

Model characteristics

Desks

Desks with continuous table top for clerical and consultant workplaces with the option of extending the workspace, e.g. with conference add-ons, knee room panels or similar.

Conference tables

Conference tables with continuous table top for small to medium-sized meeting rooms or with double frame and two-part top for use in large rooms.

High desk

High desk with continuous table top at standing height for small to medium-sized meeting rooms or for brief meetings in offices or lounges. The lower footrests are always made of high-quality stainless steel tubing to prevent fatigue at work.

Double bench with single-part table top

Double bench with continuous table top to create workplace configurations or meeting and conference table systems. The continuous top is particu-

larly advantageous for project work or in a meeting situation, as there are no disturbing breaks in the work surface.

Double bench with two-part table top

Double bench with two separate table tops to create workplace configurations or meeting and conference table systems. The split table tops create clearly defined work surfaces, which can be configured to suit the intended purpose by means of additional options (sliding panel function, panel cut-outs, etc.)

Double bench with two-part table top and Flexter

Double bench with two separate table tops and the Flexter multifunctional rail, which runs down the centre between the table tops. This is used to accommodate accessory elements such as lights, partition walls, socket strips etc., which can be freely positioned and moved along various functional grooves. A brush profile fitted on both sides enables simple cable routing under the table top. Optionally, a large-volume cable duct can be selected, which runs across the entire table width and accommodates excess cable lengths and sockets.

Connection variants

- Double bench system connection

In a connected configuration, the side brackets are removed from the connection area and replaced with two set-back support legs. The support legs are positioned centrally under the joint edge of the table tops and therefore ensure ideal legroom and an attractive look.

- L-shaped arrangement

In the L-shaped arrangement, a complete desk with two x side brackets and one add-on table with one x side bracket are connected at a 90° angle. This disposes of the need for one of the side parts in the swivel range of the legs. Extension desks can be ordered either for 90° left-side or 90° right-side linking. There is no surcharge for either variant.

- Conference add-ons

Conference add-ons can be fitted using panel supports on the side bracket of the desk. The side brackets in the swivel range remain in the width of the table, i.e. no set-back versions are offered.

Power connections

Horizontal cable routing

Desks The horizontal cable duct made of powder-coated steel is attached to the crossbars of the tables using sturdy brackets and can be folded down on the user or visitor side as required. Strain relief fittings are used to secure the cables.

Conference tables/high desk

The horizontal cable duct made of powder-coated

steel is attached to the crossbars of the tables using sturdy brackets and can be folded down on the user or visitor side as required. The width of the cable duct is standardised at 560 mm for all table widths. Strain relief fittings are used to secure the cables.

Double bench

The large-volume horizontal cable trough made of powder-coated steel is attached to the side brackets of the tables using sturdy holders and can be folded down if required. Optional metal end caps conceal the excess cable lengths in the trough to create a visually attractive design. Strain relief fittings are used to secure the cables.

Vertical cable routing

The vertical routing of the cables is carried out using a cable guide that can be attached to the side bracket or via a cable chain that is attached to the table top.

Sliding panel function

- Desks

A smooth-running sliding panel function is optionally available. The set price includes the guide system below the table top, a horizontal cable duct with strain relief, a sliding panel lock and a trap protection for wall or block arrangements. The sliding panel function cannot be ordered later on.

- Double bench

A smooth-running sliding panel function is optionally available for each double bench. The set price includes the guide system underneath the table tops, a horizontal cable trough with strain relief, the sliding panel locks and a trap protection for wall or block arrangement. The sliding panel function cannot be ordered later on.

Sockets

High-quality triple Schuko sockets are used, which have been specifically developed for office furniture. The socket box is made of self-extinguishing, non-drip plastic in the colour black. A lockable feed cable supplies the socket with power; connecting lines can be used to connect several sockets (over longer sections). It is also possible to connect two sockets to create a 6× socket.

Alternatively, table-top socket boxes and fixed or rotatable fitted socket boxes, which are recessed in the desk top, are also available. The boxes can be configured individually to suit specific purposes.

Please note that the manufacturer determines the sequence of the fittings. As a rule, the assembly begins on the left with the switch (if selected), followed by the Schuko sockets and the communication ports. The table-top socket boxes are supplied with two table clamps for fixing them to the table. The power supply to the table-top socket box is permanently integrated. The fitted socket boxes are always offered with cut-outs, and a lockable feed ca-

ble (which must be ordered separately) supplies the socket with power. In this case, the in-feed cables can be fixed under the table top using cable clamps.

Grommet

Panel cut-outs can be optionally included in the table tops. The cable outlet socket (KDB/M and KDB/L) has an internal diameter of 70 mm and is mounted in an opening with a diameter of 79.3 mm Depending on the requirements, a multi-part removable cap can be provided with openings in different sizes. The customer provides a drawing to determine the position of the hole. The following designs and materials are available:

- Round cover, Ø 87 mm, plastic, 3-part
- Round cover, Ø 87 mm, metal, chrome look and stainless steel look, 2-part
- Rectangular cover, 93 × 93 mm, plastic, 3-part
- Tables with sliding panel function cannot be equipped with a cable outlet socket.
- Optionally, up to three panel cut-outs (AAB/M) can be included at fixed positions on the rear edge of the table top. They are used as grommets for the horizontal cable duct to the workspace
- Cover, rounded on one side, 88 × 71 mm, plastic, 3-part
- Rectangular cover, 88 × 71 mm, plastic, 3-part

System add-ons

CPU mount

The CPU mount is offered in two variants:

- CPAP: For installation below the table top, with safety strap to secure the computer. The mount is screwed directly under the table top.

- CPAG: With safety strap to secure the computer on a rubber-coated, anti-slip base (240 × 110 mm). The minimum computer width is 110 mm. The mount is installed on the side bracket and can be attached both internally and externally. The maximum computer height is limited to 460 mm for internal installation. The maximum load on the CPAG is 10 kg; the required minimum table depth for installation is 800 mm.

Printer mount

The printer mount has a support surface of 450 × 500 mm and is attached to the side bracket. The top edge of the GEA panel is 300 mm below the top edge of the desk (25 mm panel thickness). The maximum load-bearing capacity is 15 kg.

Flexter table add-on

A Flexter multifunctional rail can be fitted to the rear edge of desks as an additional option. It extends the table surface by 100 mm and is used to accommodate accessory elements such as lights, partition walls, socket strips etc., which can be freely positioned and moved along two functional grooves. A brush profile enables simple cable routing under the table top.

Knee room panels

Knee room panels are fitted as privacy screens and attached to the frame using special adapters or directly to the table top with screw-on brackets. The knee room panels have a height of 485 mm, and they are mounted at a distance of approx. 30 mm from the underside of the table top. The following panel materials are available:

- Wood (melamine or real wood veneer), 8 mm panel thickness, with circumferential edging
- Metal, 2 mm material thickness, powder-coated–square or round holes according to preference
- Glass, 6 mm single-pane safety glass (ESG), with satin finish, with bevelled edges

Flexter accessories

- Organisation system (railing system)

An optional railing system is available for workspace organisation. The organisation system is attached to the Flexter multifunctional rail using adapters. The railing brackets are attached to the Flexter profile system by slot nuts, which means that the railing position can be easily adjusted later on. The railing can accommodate a variety of accessories, such as storage trays, pen holders, CD holders etc. A selection of screen supports (for flat screens) can also be mounted on the rails. The railing system is supplied in an anodised aluminium version with a similar surface and design to the adapters for the other accessories.

- Desktop sockets

Anodised aluminium socket box for direct access to power and communication connections. The box is connected to Flexter on a 60 mm adapter made of anodised aluminium, and a cable clip guides the permanently installed in-feed cables directly along the adapter under the table top. Connections such as power, USB charging and HDMI are individually selectable and always meet the latest standards.

- Privacy elements

Partitioning screen system without visible frame, in fabric look and suitable for simple zoning and demarcation of workspaces. It is attached to a 60 mm adapter made of anodised aluminium.

- Screen supports

A range of flat screen supports are available with quick-release single-lever operation as a standard feature for effortless assembly/dismantling. They comply with the monitor mount standards VESA 75/75 and VESA 100/100. The supports are connected either to the rail of the organisation system or to the Flexter profile system by special 85 mm adapters made of anodised aluminium.

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 must meet the test conditions of the Blue Angel eco-label RAL UZ 38 and are certified according to PEFC. 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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