



Technical specification

Montana Furniture A/S produces and markets storage solutions, tables, and chairs for homes and modern office environments. The Montana System is designed by Peter J. Lassen, and Montana's color palette is created by Margrethe Odgaard. The Paradigm modular sofa is designed by Erik Rasmussen. Montana's table and chair series are designed by Arne Jacobsen, Verner Panton, Peter J. Lassen, Joakim Lassen, Schmidt Hammer Lassen Design, Jacob Wagner, and Kasper Mose.

MONTANA SYSTEM – RECOMMENDATIONS AND CONFIGURATIONS

Montana is a high-quality industrial product. Design and quality control ensure that the Montana modules, when used correctly, last well into the future. Montana is basically designed and constructed on the assumption that a fixed vertical divider is included, which connects the top and bottom. If you choose not to follow this rule, you must respect that restrictions may arise in other areas.

Modules on plinths

Use a spirit level and the adjusting screws, all of which must have floor contact, underneath the plinth to make the plinth horizontal. The shelving modules are then mounted easily and effortlessly. Shelving modules on plinths of heights 69.6 cm (*12), 46.8 cm (*8) and 35.4 cm (*6) in depths of 20, 30 and 38 cm can withstand a load of up to 60 kg. Shelving modules on plinths of heights 24 cm (*4) and 18.3 cm (*3) and in depth 46.8 cm have reduced load capacity and may therefore only be loaded with up to 40 kg. This applies provided that the module width of 69.6 cm is provided with a vertical divider. When stacking modules on a plinth, it is recommended that suspensions be mounted from a height of 144.5 cm (*25), in order to comply with load, stability and safety. When modules are stacked, they stand on four small anti-slip pads, which are placed in the corners of the lower module, ensuring that the stacked module is placed securely. Modules at the bottom of an installation must have vertical dividers due to the load at the top.

Modules on legs

Shelving modules on legs, depending on the module's layout, can be loaded with 50 kg. The maximum height for modules on legs is two modules of 69.6 cm (*12), but the maximum load for a set of legs is 75 kg.

Modules with a width of 69.6 cm (*12) with legs must always be provided with a support rail (SS60) under the bottom, to avoid bending. The third module in height must be provided with suspension to ensure load, stability and safety. Mounting legs under modules with a width of 69.6 cm (*12) without support rail (SS60), is at the customer's own risk and without warranty from Montana. This applies provided that a module with a width of 69.6 cm (*12) is provided with a continuous vertical divider.

Legs can be adjusted with the adjusting screw at the bottom of the leg.

Modules on castors

Modules with a width of 69.6 cm (*12) on castors must always be fitted with a support rail (SS60) under the bottom to avoid bending.

It is only recommended to stack modules in depth 30 and 38 cm up to a height of 104.6 cm (*18). Modules with a depth of 46.8 cm can be stacked to a height of 138.8 cm (*24) to ensure load, stability and safety. Mounting castors on modules in 69.6 cm (*12) in width without support rail (SS60), is at the customer's own risk and without warranty from Montana. This applies provided that the module width 69.6 cm (*12) is provided with a continuous vertical divider.

Modules on suspension

Montana's suspension rails consist of two suspension brackets in black recycled plastic. Wall suspension rail in plywood fitted with an adjustment bracket that allows the suspension to be adjusted horizontally. Spacer knobs are mounted on the rear panel, for adjustment against the wall. Modules with suspension hang 8 mm from the wall, allowing concealed cabling.

Suspended shelving modules of heights 69.6 cm (*12), 46.8 cm (*8) and 35.4 cm (*6) in depths of 20, 30 and 38 cm can withstand a load in and on the module of up to 40 kg, provided the nature of the wall as well as the fastening allow this. Suspended shelving modules at the same heights in a depth of 46.8 cm may be loaded with a maximum of 20 kg. Suspended shelving modules at heights of 24 cm (*4), 18.3 cm (*3) and 12.6 cm (*2) have reduced load capacity and may therefore only be loaded with up to 10 kg. Concrete and brick walls are preferable, whereas plaster walls must be a minimum of 2 layers.

Modules without vertical divider in width 69.6 cm (*12)

Please note that module tops, shelves and bottoms with a width of 69.6 cm (*12) can only be loaded with 3 kg. If a larger load is required, support rail SS10 must be mounted underneath the module. Then the module tops, shelves and bottom may be loaded with a maximum of 10 kg in total.

You get the greatest freedom to change installations if you choose modules with a vertical divider. Modules at the bottom of an installation must have vertical dividers due to the load at the top.

Basic module 1111, width 69.6 cm (*12) x height 69.6 cm (*12) is generally not sold unfurnished, due to stability and durability. When purchasing this module without interior, it is without warranty from Montana.

Modules with drawers in width 69.6 cm (*12)

Please note that the module top in width 69.6 cm (*12) must be loaded with a maximum of 10 kg, as it is equipped with support rail SS10. If you want to place other modules on such a module, they must always be suspended.

Modules on base units

It is always recommended to fasten installations on base units with screws directly in the base. All modules are connected together for greater stability. Max. shelf height on base units is 139.2 cm (*24) at depths of up to 38 cm.

Max. shelf height on base units is 105 cm (*18) at depths from 38 cm up to and including 60 cm. The number of castors is adapted to the length of the base units and is indicative. The exact number of castors is assessed based on the specific installation.

For lengths 24-69.6 cm: Max. load 75 kg.



Technical specification

At length 69.7-140 cm: Max. load 125 kg.
For lengths 140.1-210 cm: Max. load 140 kg.
For lengths 210.1-240 cm: Max. load 150 kg.

The precise number of castors is assessed based on the specific installation. At a minimum, one set of wheels must be calculated per module adjacent to another. It is not recommended to place the base units on CR70 castors.

Protective sheet

Shelves can be protected against wear from binders and similar when using a protective sheet. It is always recommended to order protective sheets for modules to be used in offices or home offices. Protective sheets are transparent and have an edge that can be broken off, so that they also fit in the space behind doors. C016 modules are fitted with protective sheets as standard.

Montana TV & Sound width 46,8 cm (*8), 69,6 cm (*12), 138 cm (*24) and 183,6 cm (*32) on legs and suspension

Modules in widths of 46.8 cm (*8), 69.6 cm (*12), 138 cm (*24) and 183.6 cm (*32). The modules are made of 12 mm lacquered MDF. Modules on legs and castors are fitted with a support frame, width 69.6 cm (*12) SS60, 138 cm (*24) SS24. Modules width 183.6 cm (*32) have 6 legs and a support frame SS24. Modules *32 cannot be fitted with castors.

Modules on suspension are fitted with a two-part suspension that allows wiring to be routed behind the module. The modules may be loaded with 40 kg evenly distributed. The module top may be loaded with a maximum of 20 kg, however, tops/shelves with a width of 69.6 cm (*12) without a vertical partition may be loaded with a maximum of 10 kg.

Wardrobe

The Montana Wardrobe is constructed from 16-mm lacquered MDF. For stability, it is recommended that modules mounted on a plinth are connected with screws to prevent twisting. Modules equipped with drawers present an increased risk of tipping; therefore, it is advised that these modules be securely attached to the wall. Modules positioned on a plinth have a maximum load capacity of 40 kg.

The Wardrobe OP9W suspension rail from Montana is reinforced and not suitable for retrofitting. Upon installation, a 12-mm reinforcement strip is doweled into the module's corpus. From the back, the suspension resembles other Montana suspensions, utilizing two black recycled plastic brackets. The Suspension on module is secured through the reinforcement strip, back panel, and plastic brackets. The wall-mounted suspension rail, made of plywood, is supplied with an adjustment bracket allowing for horizontal alignment. Spacer knobs on the back panel facilitate adjustment against the wall. Suspended modules hang 8 mm away from the wall.

Suspended wardrobe modules with heights of 36.2 cm (*6) and 70.4 cm (*12) support loads up to 20 kg, while those at 116 cm (*20), 150.2 cm (*26), and 186.4 cm (*32+) can accommodate up to 40 kg. Drawers have a maximum load of 15 kg each; however, the total weight must never exceed the module's specified limit. It is also recommended to interconnect modules for added safety.

For optimal security, installation should preferably be on concrete or brick walls; plaster walls must consist of at least two layers.

Modules of 16-mm width 81.8 cm (*14) and 121.7 cm (*21) on plinths, castors, legs or suspension

A support rail is mounted under modules in width 81.8 cm (*14) when castors and legs are selected. Modules in width 81.8 cm (*14) without vertical divider must not be placed on castors, legs or suspension. For modules 121.7 cm (*21), 5 castors are mounted. Modules in width 81.8 cm (*14) and 121.7 cm (*21) with legs must always be fitted with a lange.

Modules on a plinth can be loaded with 60 kg, evenly placed.

Modules on castors can be loaded with 80 kg, evenly placed.

Modules on legs can be loaded with 50 kg, evenly placed.

Modules on suspension can be loaded with a maximum of 40 kg, evenly placed. It is important that installations mounted with legs and castors are level. If not, the module will twist. Legs can be adjusted with the adjusting screw at the bottom of the leg.

Panton Wire

The wire rack is made of chrome-plated and powder-coated 5-mm wire. It is available in 2 variants, in 2 depths. The shelves are delivered with suspension rails, feet and assembly clips. It is recommended to use the enclosed securing strap, for wall mounting, for installations over 100 cm in height. All Panton Wire variants with suspension can carry a load of max. 10 kg. Standing, the square shelf can be loaded with 40 kg. The rectangular with 10 kg.

Montana and wet environment

We advise against using Montana modules in wet rooms or wet environments. Instead, we recommend Montana Bathroom products. Montana Bathroom products are made of water-resistant MDF. The Montana products mirrors, Living Things and coat racks can be used in wet rooms, but must not be placed in places where they can be exposed to splashes from the shower or bath.

Measurements

Montana is a system design based on the dimension of 5.7 cm. The dimensions connect Montana's dimensions with the DIN formats, which makes Montana ideal for storage without wasted space for paper, folders, books etc. at home and in the workplace.

* The star dimensions in the model overviews listed in parentheses indicate dimensions in cm. Outer and internal measurements are found for the individual modules and components. Dimensions for tables and chairs are also available below each product series.

Surfaces and colours

After sanding, all edges and surfaces of the Montana storage system are primed four times with UV-curing lacquer and finely sanded. Montana's surface lacquer is a water-based highly resistant UV quality lacquer. The lacquer is formaldehyde-free and the evaporation does not contain any harmful substances. Emissions of organic solvents have been reduced to a minimum, which is far below the requirements of the EU VOC Directive. By using water-based lacquer, Montana protects the environment from solvents and contributes to a better indoor climate at home and in the workplace. Distance to heat sources: Modules may be exposed to a maximum of 60C. There may be slight smudging when wiping lacquered surfaces in strong colours/shades with a damp cloth.



Technical specification

QUALITY AND WARRANTIES

Montana furniture is manufactured at our factory in Haarby, Denmark, with the exception of all chairs, sofas, and Panton products, which are all produced in Europe. Construction and quality control ensure that Montana products, when used correctly, last well into the future. With proper assembly and use of Montana products, as well as under normal conditions including recommendations regarding load, Montana Furniture A/S provides a 10-year durability warranty for construction, moving parts, and functionality. For tables, chairs, sofas, Rector® sinks, electronic and hydraulic components, there is a 5-year warranty. Code locks and electronic locks have a 1-year warranty. Regarding the durability of the lacquer, normal wear and tear applies. Discontinued colours and sizes in the Montana storage system can be supplemented subject to availability. However, we reserve the right for slight variations in lacquer shades as well as design improvements resulting from new technology and raw material recipes. With the supplementary warranty, Montana products represent a sound, long-term investment.

ENVIRONMENT AND WORKPLACE CONDITIONS

Since its establishment in 1982, Montana has incorporated both environmental and workplace safety perspectives into its business foundation. Montana's management system ensures that environmental and workplace considerations are taken into account in all decision-making processes on an equal footing with design, quality, technology, and finance. Montana prepares an annual environmental and workplace report detailing the status and efforts in these areas. Montana is environmentally certified according to ISO 14001.

EU Ecolabel

The Montana System, Montana System C016, Montana Free Shelf, HiLow Table series, JW Table, Multi Cafe and Speaker, Panton Table, Skyline shelves/tables, Panton Wire, Pantanova, Panton One, Montana Mini and Paradigm sofa are all certified with the EU Ecolabel. The EU Ecolabel represents stringent environmental requirements and strict chemical regulations to reduce the overall environmental impact from production and consumption. The EU Ecolabel regularly tightens requirements to foster sustainable development, considering the entire product lifecycle and associated environmental issues – for the benefit of people, the environment, and the Earth's resources.

PEFC-Certified Wood

In 2022, Montana became PEFC certified, marking an important step towards increased responsibility in the value chain. Today, the majority of our MDF-based components are made from PEFC-certified wood. PEFC is an international certification that verifies the wood comes from sustainably managed forests and suppliers who take into account environmental, biodiversity, and social considerations. This provides assurance that responsibility has been taken throughout the entire process – from forest to finished furniture.



Cleaning and maintenance

Find our maintenance guide here: >



See order information and updated delivery times here: >



Montana Furniture - Conditions of sale and delivery >

