

Product Safety Data Sheet "Shelving Systems"

Safety information according to Regulation (EU) 2023/988 "GPSR"

1. Manufacturer of the products

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2. Product identification, scope & traceability

This document applies to BITO shelving systems and associated standard versions for the manual storage and order picking of non-palletised load units. These may include archive shelving, inclined shelf units, supply shelving, bin shelving, C-parts shelving, tyre shelving and corner shelving, as well as mobile shelving units, doors, drawers and fire protection shelves, unless product-specific documents specify different requirements.

Multi-tier installations, automated operation, electrical components and non-approved customer-specific modifications are not covered. These applications must be assessed separately.

Clear identification:

Article and variant designation as well as item number(s) as per quotation, delivery and invoice documents.

Load-bearing capacity and configuration details are specified on the load notice, in the applicable structural calculations and in the documents for the specific version.

Marking on the product or installation: manufacturer's mark and electronic address, identification feature and permissible shelf and bay loads for the specific version.

3. Intended use

Commercial application for the manual storage and order picking of non-palletised load units within the approved shelf and bay loads. Loads must be evenly distributed unless otherwise approved for the specific version.

Operating conditions: primarily indoor use, level and load-bearing floor, and assembly and anchoring in accordance with the current assembly and operating instructions and project-specific planning. Corrosion, moisture, temperature, outdoor use and special environmental conditions must be assessed separately.

4. Reasonably foreseeable misuse (not permitted)

- Exceeding the permissible shelf or bay load, uneven loading or point loads without approval
- Climbing on the shelving or using it as a ladder, step, seat or climbing aid
- Operation without the required bracing, safety devices, anchoring or valid load notice
- Unauthorised modification, removal of load-bearing components or combination of non-approved components
- Continued use after impact or with damaged, corroded or incompletely engaged components
- Storage of projecting, rolling or unsuitable goods without the required safety devices

5. Summary of the Safety Assessment (internal risk analysis available)

Significant hazards & measures (excerpt):

Hazard	Cause/scenario	Risk-mitigating measure(s)	Residual risk / Reference
Overload / structural failure	Shelf or bay load exceeded; point load; missing or incorrect bracing	Design for the required load-bearing capacity; applicable structural calculations and load tests; shelf and bay loads on the load notice; even load distribution	Serious consequences if load and configuration requirements are disregarded; unload shelving in a controlled manner
Tipping / instability	Unsuitable height-to-depth configuration; missing fixing; one-sided loading; unsuitable floor	Stable configuration; floor or wall fixing after approval; check floor; fully inspect completed assembly	Operation only after correct assembly and approval
Assembly / components	Sharp edges; pinch points; shelf supports, safety devices or components not fully engaged	Edge and production control; suitable PPE; safe assembly sequence; visual inspection; do not install damaged parts	Residual risk in the event of improper assembly or adjustment
Stored goods / impact	Projecting or rolling goods; missing safety devices; impact by industrial trucks or hand pallet trucks	Stop rails, side protection or back panels as required; separate traffic routes; suitable impact protection; cordon off and inspect after impact	Stored goods and traffic risks must be assessed for the specific application
Misuse / accessories	Climbing; modification; several loaded drawers open; uncontrolled movement of mobile versions	Suitable access equipment; modifications only after approval; observe load and anchoring requirements; use brakes; store heavy goods at lower levels	Accessories and mobile versions only in accordance with product-specific instructions

Note on user groups: The product is intended for commercially trained users.

As part of a risk assessment, the operator must determine appropriate organisational measures such as instruction, PPE and storage and traffic rules.

6. Safe Use Instructions (Key Statements)

Assembly and stability:

- Only assemble and secure the shelving completely in accordance with the current assembly instructions, the applicable structural calculations and the specific configuration.
- Fit all required diagonal bracing, beams, upright connectors, shelf supports, safety devices and fixings.
- Check that the floor is level and load-bearing. Only use floor or wall fixings in accordance with the planning and approval.

Loading and operation:

- Do not exceed permissible shelf and bay loads. Distribute loads evenly and preferably store heavy goods at lower levels.
- Secure stored goods against falling, rolling or projecting. Use the required stop rails, side protection, back panels or shelf dividers.
- Do not climb on shelving. Use suitable access equipment to reach upper levels.
- Close doors and drawers after use. Open only the number of drawers permitted by the product-specific instructions at the same time.

Inspection, damage and environment:

- Carry out regular visual inspections. Report damaged, deformed, corroded or loose components immediately and cordon off the affected area.
- Stop using the installation after an impact and have it inspected by a competent person. Only use approved original components.
- Use in damp or aggressive atmospheres, outdoors or under special fire protection conditions only with the appropriate approval.

7. Market Surveillance, Complaints, Accidents & Corrective Actions

Complaints, safety problems and accidents can be reported via info@bito.com or www.bito.com. BITO maintains an internal record of complaints, recalls and corrective actions.

If a dangerous product is suspected, BITO immediately takes appropriate corrective measures, for example rectification, withdrawal from the market or recall, and informs consumers and market surveillance authorities where necessary.

8. Technical documentation (dossier)

The technical documentation includes the internal risk analysis, applicable structural calculations, assembly and operating instructions, supporting documents and test reports, marking documents, and the standards and technical rules applied. The documentation is kept up to date and made available to the competent market surveillance authorities on request. It is retained for ten years from the date the product is placed on the market.

9. Note / Distinction

This product safety data sheet does not replace the user's operational risk assessment. Product-specific and application-specific deviations are possible. The respective data sheets and quotation documents for the specific article variant are decisive.

The product is considered safe within the meaning of the **EU Product Safety Regulation (GPSR)** when used as intended and in a reasonably foreseeable manner.