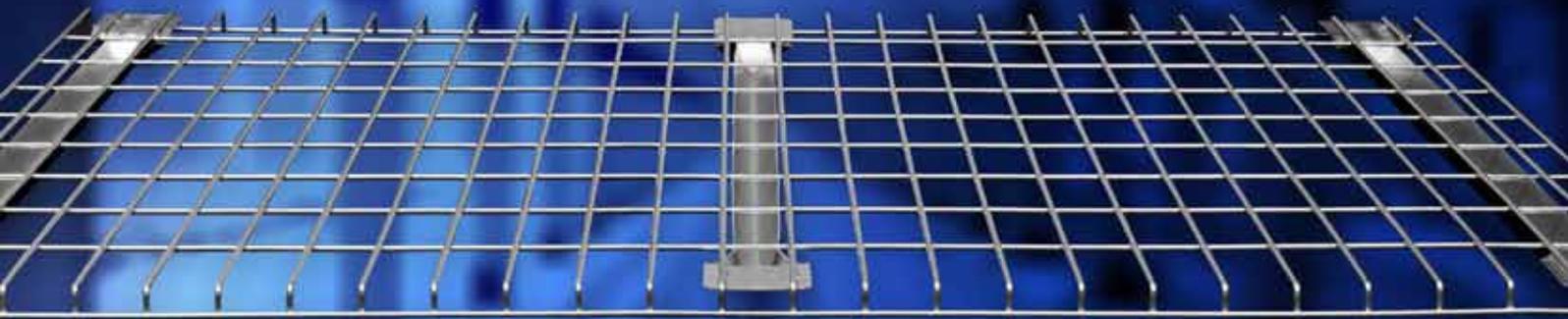




MATERIAL HANDLING
& LOGISTICS

Troax Shelving

An Innovative Solution for Secure and flexible storage



For further information
www.troax.com

TROAX[®]



Shelves for those of you with demanding requirements and changing needs

Troax shelving solution is available in two safety levels and two designs - Performance Class A, and Performance Class B. These options allow us to meet a variety of needs and safety requirements. Each level is available in either the Z-profile or Drop-over design, and we can also offer bespoke solutions based on your unique requirements.

Our shelving fulfils current and relevant standards

At present, there is no European Standard for shelving, however Troax Performance Class A shelving complies with the American Standard ANSI MH26.2-2007. We also comply with the European Standard for pallet racks (EN 15620:2008 and EN 15512:2009).



High-quality tests

TROAX has its own development department, which is continually optimising our products and system solutions. Testing procedures are carefully documented and are available to our customers.

This picture illustrates a Performance Class A shelf.

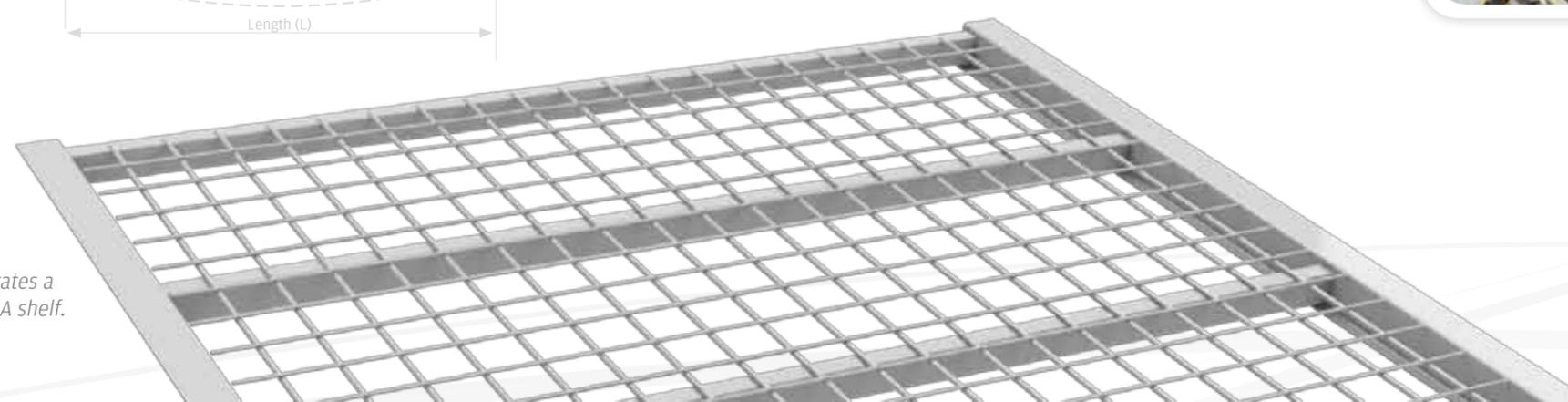
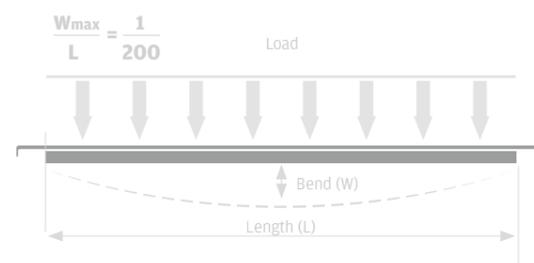
What is a safety factor?

The safety factor is the number that specifies where the collapse point is in relation to the actual UDL (Uniformly Distributed Load) capacity. If the safety factor is 2.0, the collapse point will be at least twice the specified UDL capacity.

What is deflection?

The value for maximum deflection differs in the following two standards. The ANSI standard states a maximum deflection as 1:165 while the European Standard for pallet racks has the more stringent requirement of 1:200.

The value 1:200 for deflection guarantees that no existing deformation occurs when loading up to the specified UDL. This means that the deflection is 1/200 of the distance between the beams.

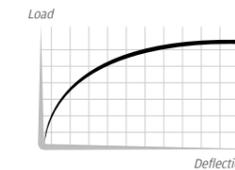


Performance Class A

Providing your working environment with a high level of safety

Performance Class A shelving is designed for storing material - either loose or in pallets. This is a shelf that contributes to the highest possible level of safety.

Performance Class A is designed to maintain safety factor 2.0 as a minimum, and has a maximum deflection of 1:200. The shelf is available in the Z-profile or Drop-over design.

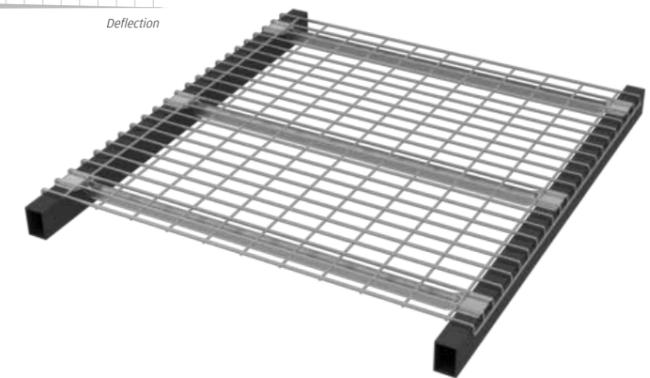
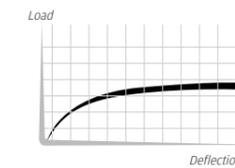


Performance Class B

A cost effective mesh shelf system

Performance Class B Shelving should be used in situations where the pallets will be stacked on the horizontal beams, or when you can accept a certain degree of permanent deformation. (Performance Class A should be selected if the amount of deflection is important.) The Performance Class B shelf is primarily intended as an "anti-collapse" or "fall protection" system since it does not meet the criteria set forth in the standards discussed above.

With this system some permanent deformation can occur even before the specified UDL is achieved. The shelf is constructed in order to manage a safety factor of at least 1.3. The shelf is available in the Drop-over design only.



Bespoke

- When you need more than one shelf

The great advantage of the Troax shelving system is that the shelves can be adapted to suit your requirements. For example, you can have a shelf with integrated Back stop and/or dividers.

Additionally, the size of the mesh guards can be adapted to best suit your products and the size of overhang can be adjusted, for example, to ensure the pallet labels are not obscured. Our bespoke options provide a shelving system that is both cost effective solution and customise.

Contact us today to discuss your requirements!





12 specific benefits of the Troax shelving solution:

- To ensure that it is easy to manually load items on the shelves the top wire of the mesh runs in the depth direction of the shelf panel.
- Both Class A and Class B shelf panels locate positively on the racking beams.
- The mesh allows water from sprinkler systems to pass through - fewer sprinklers means lower costs!
- The shelves are non-flammable.
- A standard range is available "ex stock" for quick deliveries.
- The mesh shelves allow for more ambient light within the warehouse environment, dispersing light more efficiently and creating a more pleasant working environment.
- Unlike solid shelves the mesh shelves do not allow dust to gather.
- See-through shelving allows easier assessment of shelf capacity.
- Working environments are safer as materials do not fall through several levels.
- The mesh shelves are well finished - no sharp edges to damage stored product.
- The mesh shelves function excellently for picking levels. Smaller and large items can be loaded and unloaded by hand.
- Should a palletised load collapse the mesh shelf panel will help to contain the spillage.

You can find more information about us, our products and our contact details at www.troax.com



Int. Head Office: Troax AB P.O. Box 89 SE-330 33 Hillerstorp Sweden
Phone +46 (0)370 828 00 Fax +46 (0)370 824 86 info@troax.com www.troax.com