

Flow rack systems

When designing your flow rack system, it is essential to know which materials will be supplied in what quantity and in which containers. The number of parts and containers, their type, their dimensions and their weight all need to be taken into account.

The load capacity of the flow racks depends on the selected parameters, the setup, the frame dimensions, and the shelves used and conveyor tracks used. The maximum load is 2000 kg.

Detailed information on permissible loads is available in the “Technical data” chapter and in *MTpro*.

The selected conveyor media and lateral guides determine how well your containers travel through the system. The available conveyor media are known as XLean, Lean and EcoFlow.

Besides the traditional form of material supply using material shelves, you can also combine rack components with workstations. The advantage of tracks over material shelves is that containers are supplied to users in a defined and

XLean	Lean	EcoFlow
		
 D28  D28SK	 D32  D32SK  GS  GS SK  RE45  RE45SK	
Cost-effective solution	Colored rollers for inventory visualization (kanban)	Heavy loads, for blister packs and cardboard boxes



precise manner. The containers cannot slip or get swapped because the tracks are adjusted to the particular container being transported.

The conveyor tracks can likewise be custom assembled from individual components or ordered as a complete unit.

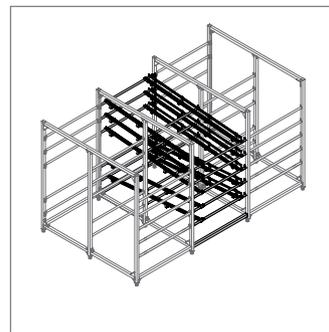
Ergonomics

The container weight, the type of activity involved and the overall strain placed on the worker during a shift are the key factors in ergonomically designing a flow rack system. During configuration you need to consider the different body sizes of your workers so that as many of them as possible can use the system effectively. You can use the national average as a guide.



The tracks should be horizontally and vertically spaced to leave a sufficient grab area. We recommend leaving 200 mm both above the container height and between the tracks.

MTpro For workstation design and planning, we recommend **MTpro!** See pages 12 and 13 for more information.



◀ The flow racks can stand alone or be set up in combination with one another. Combining flow racks allows you to save both space and money.

◀ All flow rack systems are ESD-conductive and suitable for use in ESD-sensitive areas. All the connection elements are designed such that the anodized coating on the aluminum profiles is pierced to ensure ESD conductivity throughout the system without the need for risky additional wiring.

