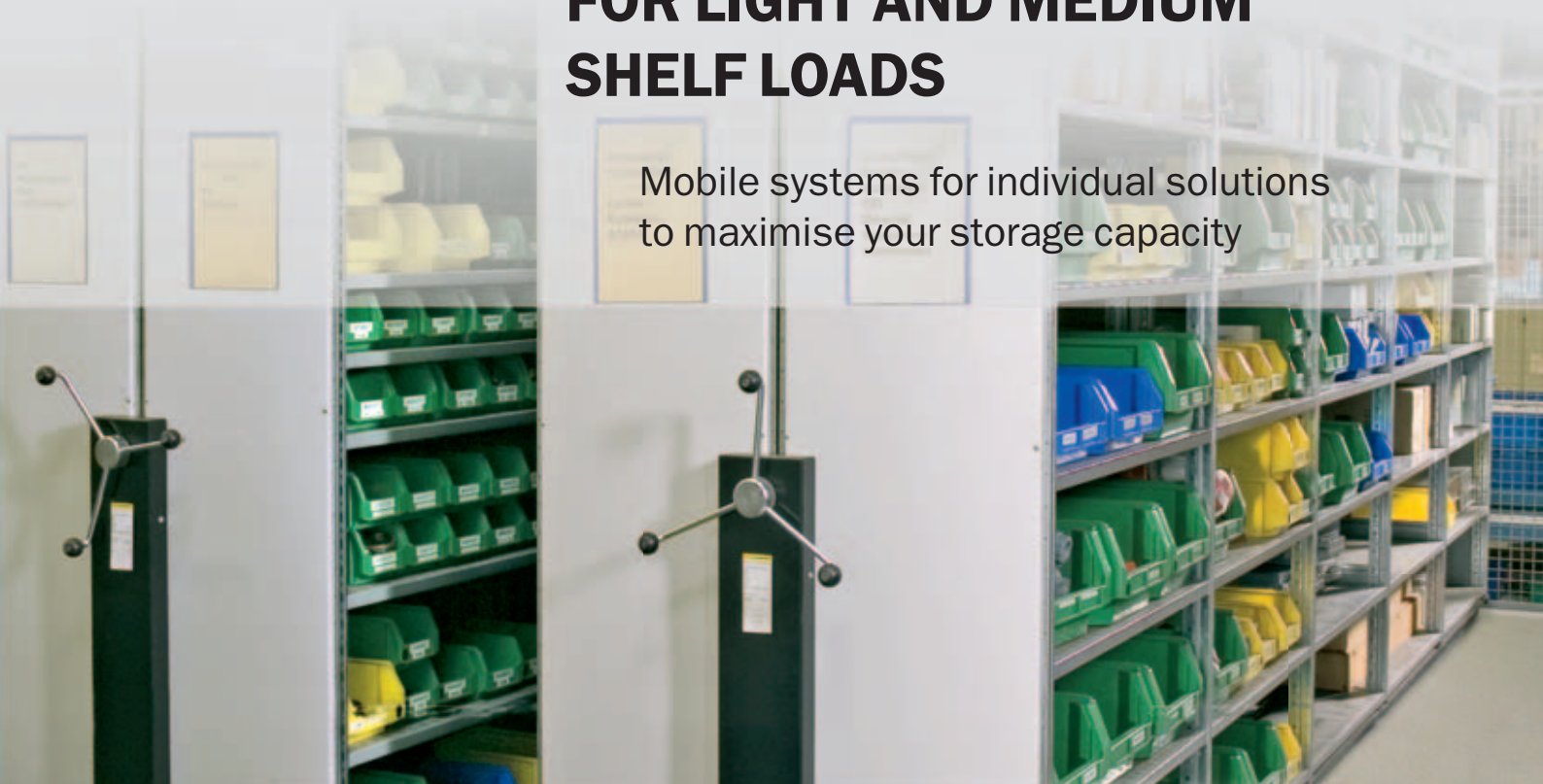


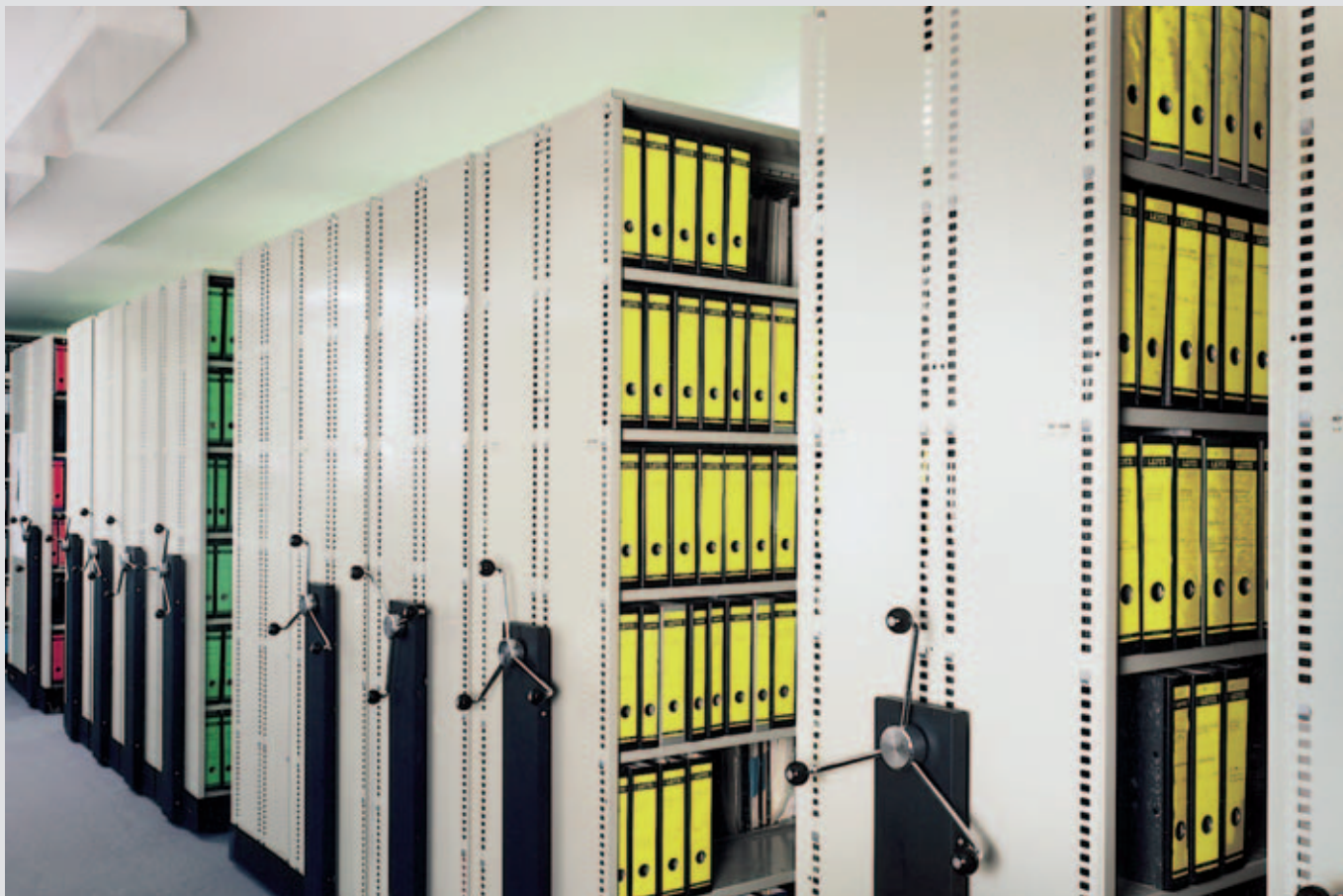
MOBILE SHELVING SYSTEMS FOR LIGHT AND MEDIUM SHELF LOADS

Mobile systems for individual solutions
to maximise your storage capacity



SSI SCHAEFER Group

Mobile Shelving Systems



FRITZ SCHAEFER, Neunkirchen, DE

The product range of SSI SCHAEFER / FRITZ SCHAEFER GMBH – also the head-quarters of the SSI SCHAEFER Group – comprises the core business of storage technology (rack steel construction for automated small part storage systems AKL and rack supported structures) as well as storage and transport containers, modular shelving systems, pallet and cantilever racking.



SSI SCHAEFER, Neunkirch, CH

SSI SCHAEFER AG plans and implements conventional and fully automated mobile racking systems for the whole of the SSI SCHAEFER Group. The competence centre of the SSI SCHAEFER Group has implemented more than 2.000 mobile racking systems internationally. The range of products and services reaches from system planning and consultation through the installation of systems to custom-designed service packages.



SSI SCHAEFER, Werk Hranice, CZ

SSI SCHAEFER, plant Hranice, CZ
SSI SCHAEFER S.R.O. production site Hranice in Czechia: in this production plant, the main products for automation such as mobile racking systems, storage and retrieval machines, pallet conveying systems and the SCS (Schaefer Carousel System) are made, pretested and shipped to the installation sites on time.

Mobile Shelving Systems For Increased Storage Capacity

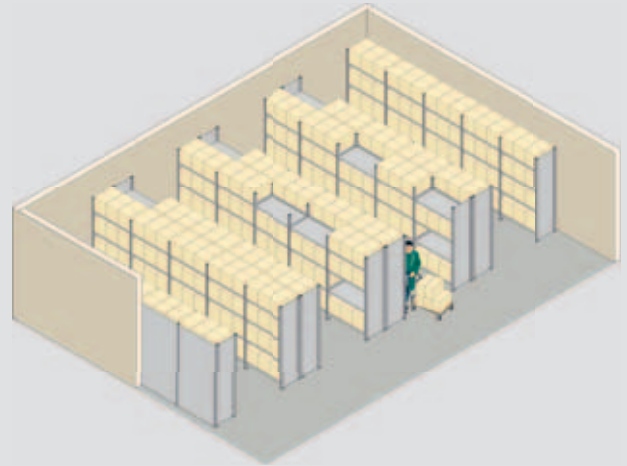
Mobile shelving systems consist of a series of shelving runs which move parallel to one another and require only a single operating aisle for access to all items stored. The reduction in the number of aisles achieved by this system provides a high degree of both operational and cost benefits.

- Mobile shelving systems require 40% less surface area than static shelving for the same storage capacity.
- There is 85% more storage capacity compared with static shelving occupying the same surface area.
- The amount of surface area occupied of 65 - 85% and the reduction of time spent moving to and from shelves helps to improve retrieval times.

In principle all SSI SCHÄFER shelf and cabinet systems can be placed on carriages. These have excellent running properties for smooth movement, manually assisted bases with different load dependent gear ratios as support for quick and safe methods of working. Electric drives are available for heavy loads.

Whether you wish to store files, documents, books, small parts, spare parts to bulk items. SSI SCHÄFER has a storage solution for you.

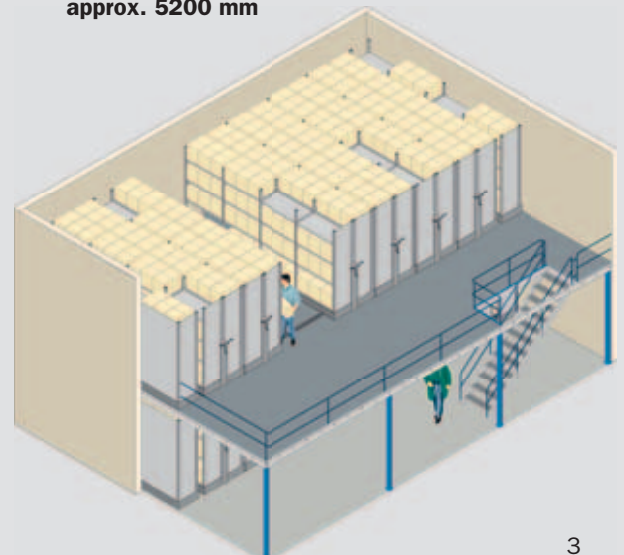
Static shelf storage system



Mobile shelving system



Mobile shelving system together with multi-storey construction – overall height approx. 5200 mm

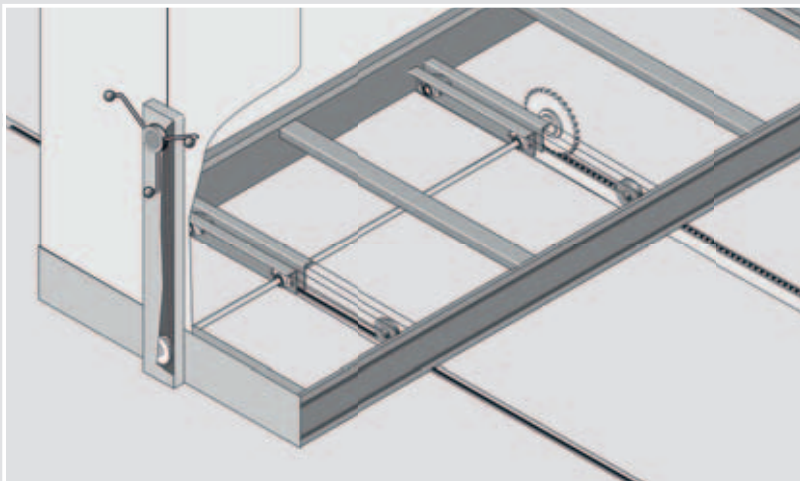


Technical Information – Drive Types and Carriages

Different drive types are required dependent on the individual system carrying capacity.

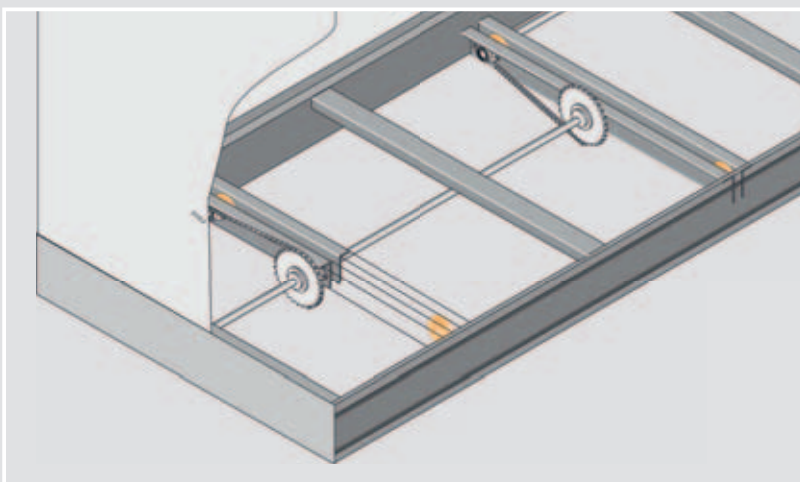
For normal loads manually assisted drives are used, whilst for heavier loads electric drives are utilised.

For track-free systems the drive takes place directly via rollers on the floor.



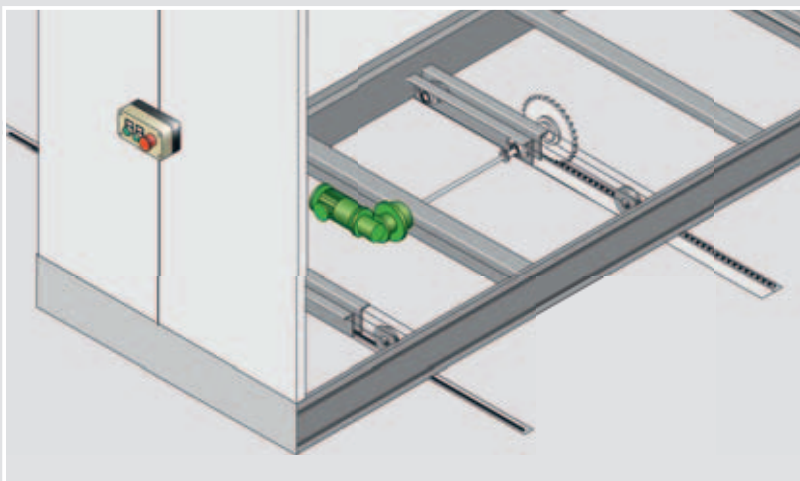
Crank drive – “track-driven” system

The bases are moved manually with the aid of a crank and a gear ratio adjusted to the loads carried. For a “track-driven” system, a gearwheel grips into a drive chain integrated in the guide rail for drive. This system is effective due to its high maximum load capability and easy running.



Crank drive – “track-free” system

The carriages are moved manually with the aid of a crank and a gear ratio adjusted to the loads carried. In the “track-free” system, drive is provided directly by the castors on the floor. They are guided at the rear by a small dowel-shaped profile. This system requires no ramps or infill floor, saves on assembly time, is cost-effective and has proven to be useful when changes happen such as a move or extension.



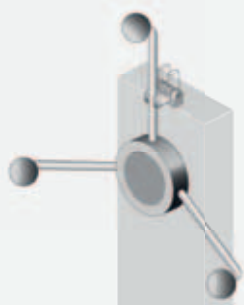
Electric Drive

In this system the base is moved by a single motor drive which utilises a gearwheel on a chain set into a floor-mounted rail.

Technical Information – Safety Accessories

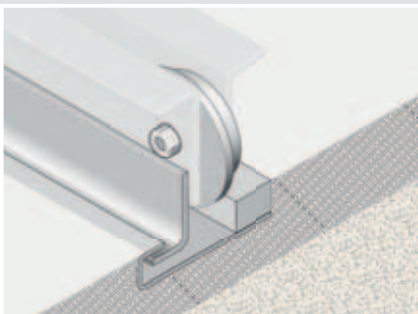
For increased safety it is possible to install a number of devices, which include a return stop on the aisle lock, an anti-twist device to prevent the shelves falling and an aisle lock for

locking an individual aisle. A central lock for manual and crank systems for locking a complete system or a particular area. Also dust seals, protective seals and light seals are all avail-



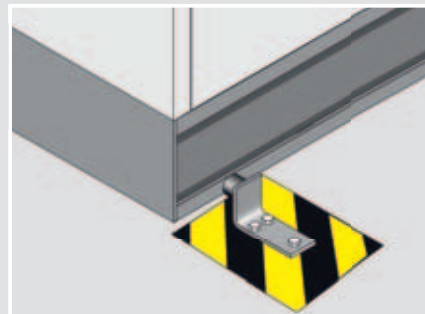
Return Stop

Is used as to secure the aisle from unintentional movement.



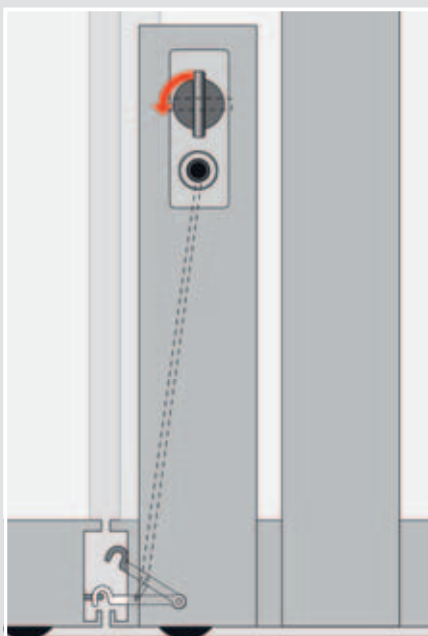
Anti-tipping Device

Prevents a carriage/shelf unit from tipping when the depth/height is unfavourable.



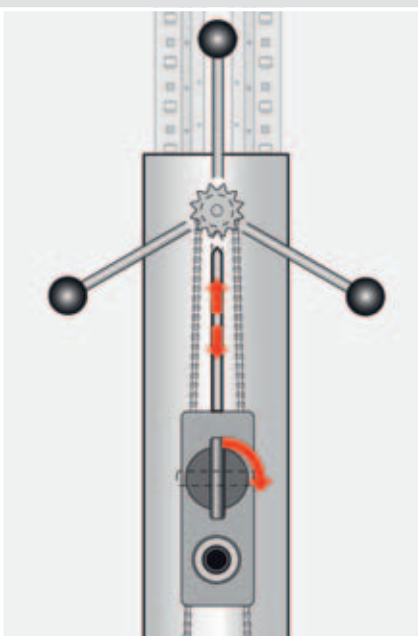
End Stop on the Floor

Installed at the end of the system, if bases are not secured to the floor.



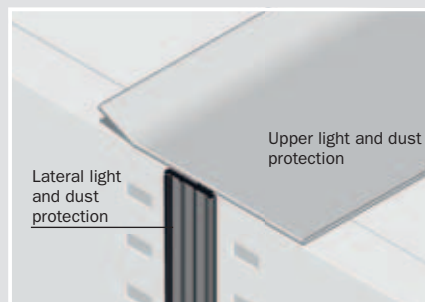
Aisle Lock

For locking individual operating aisles, where two bases are connected to one another using a locking latch. Only for rail driven systems.



Central Lock

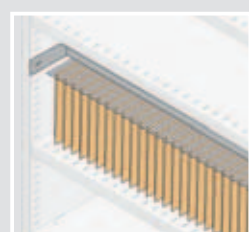
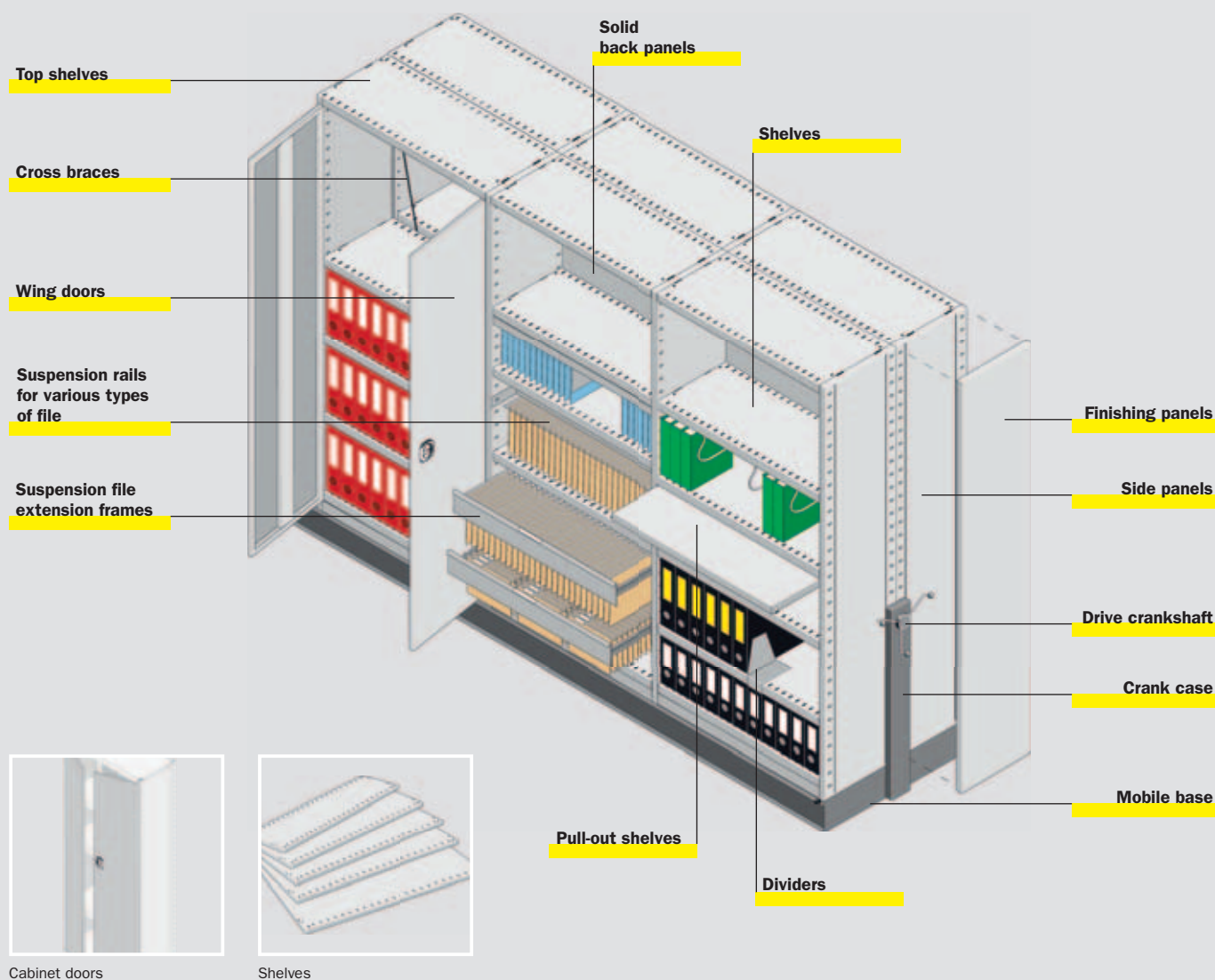
For locking the entire system.
For crank drive only.



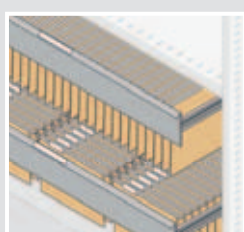
Light and Dust Protection

Protects stored goods from light and dust.

For File/Documents and Archiving – System Components



Suspension rails for various types of file



Suspension file extension frames



Pull-out shelves



Dividers



Retaining hoops for files



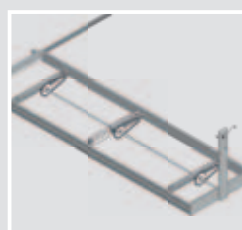
Finishing panels



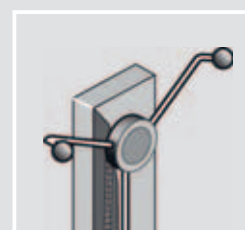
Solid steel back panels



Cross braces

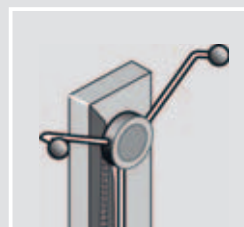
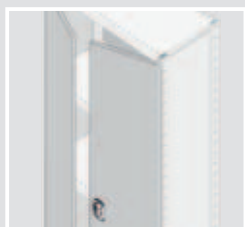
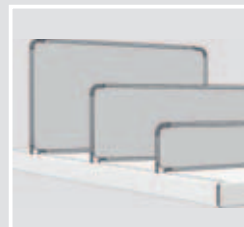
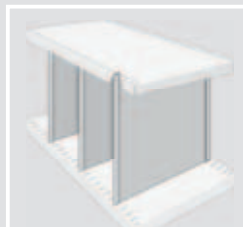
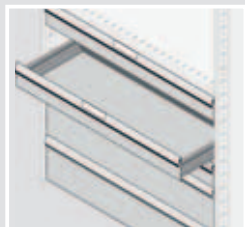
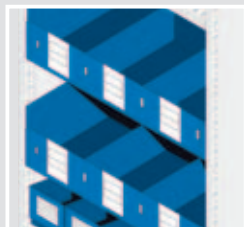
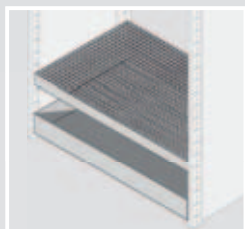
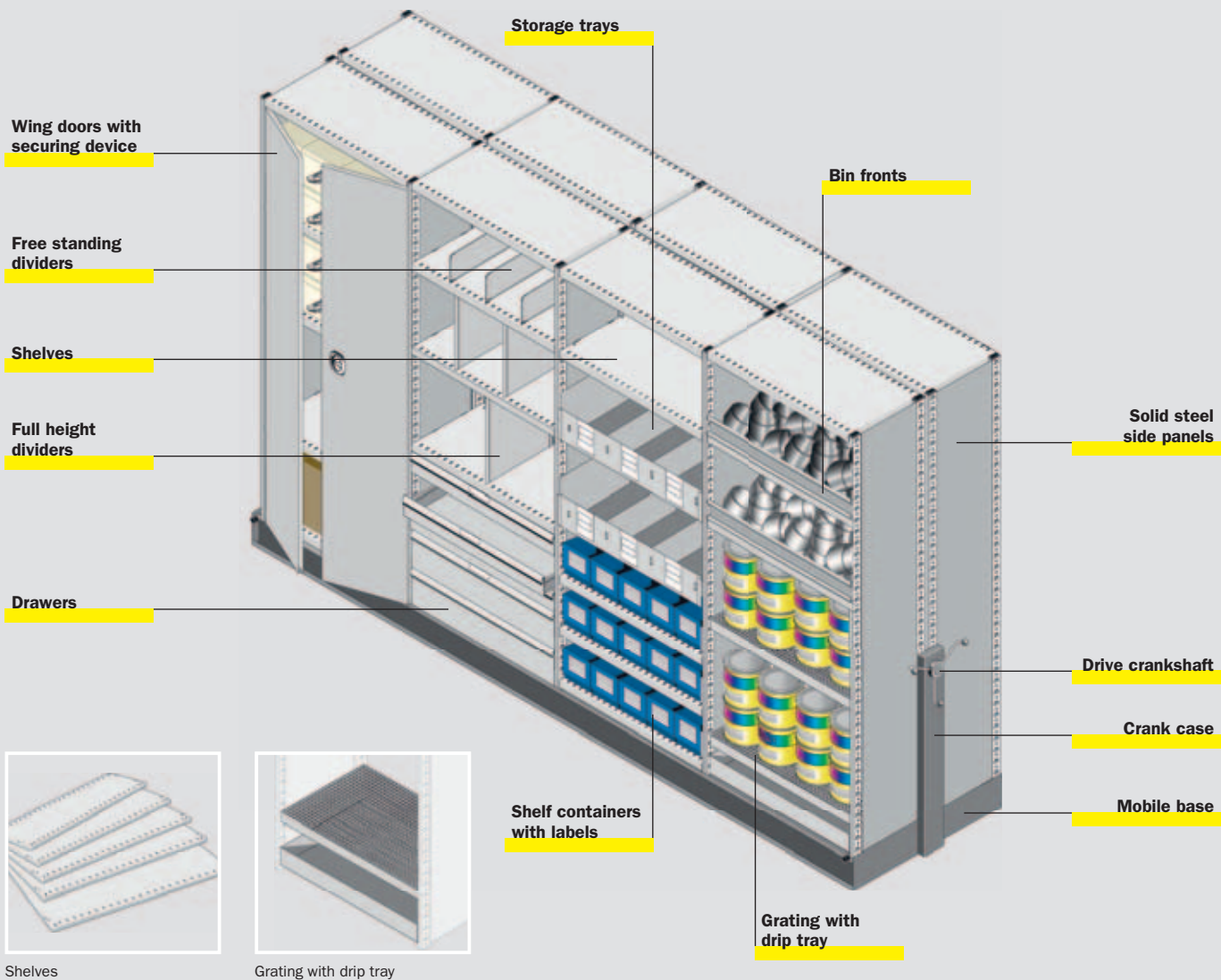


Mobile base

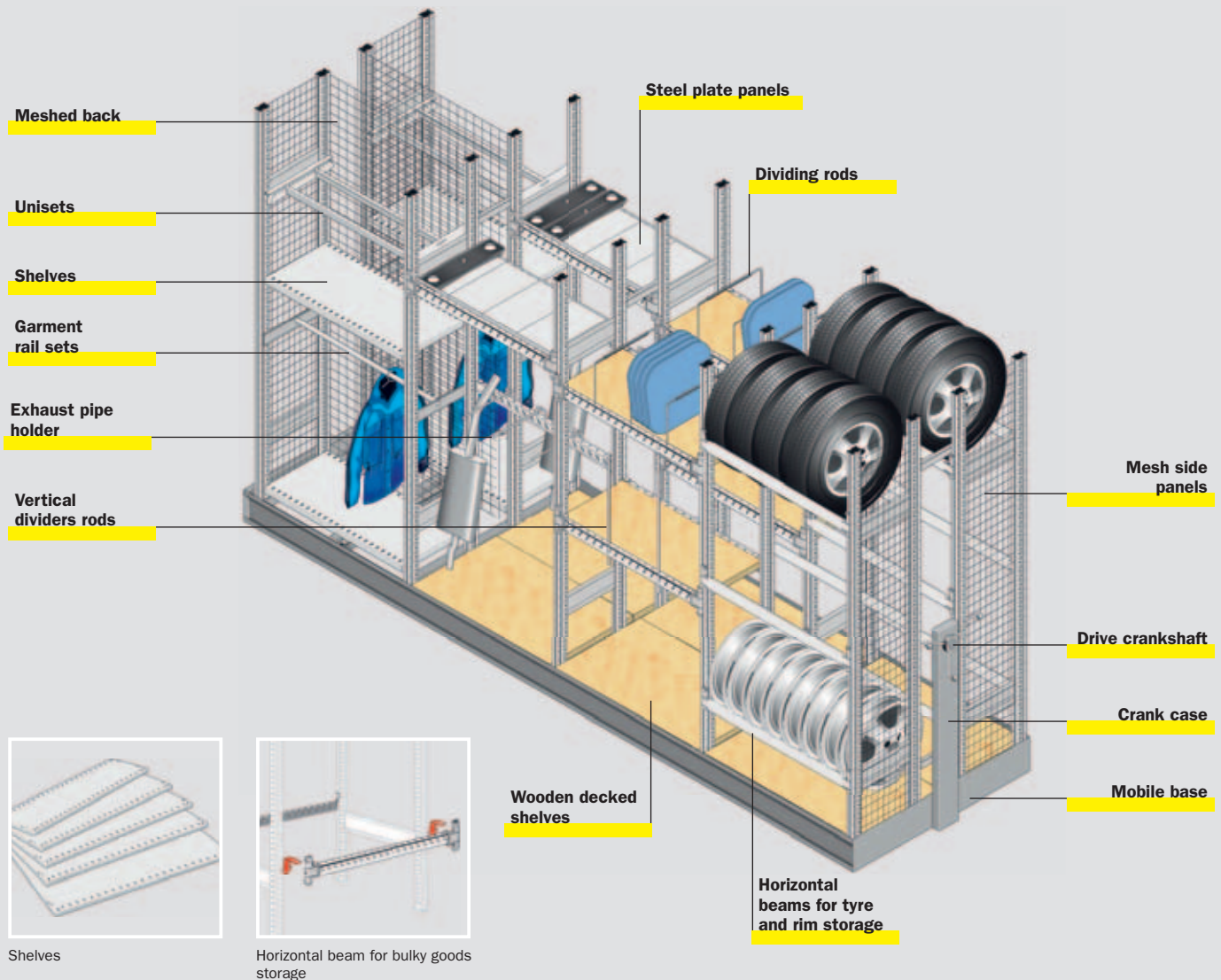


Drive crankshaft

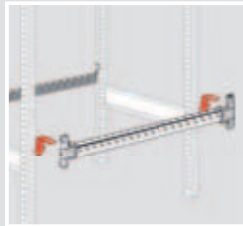
For Small Parts and Increased Loading – System Components



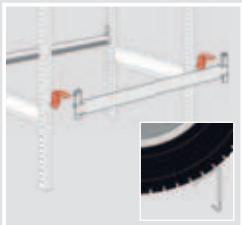
Longspan Shelving for Storing Bulky Items – System Components



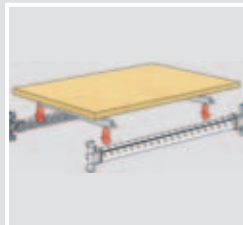
Shelves



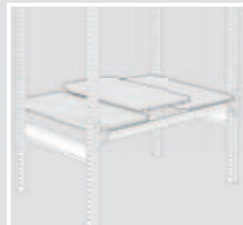
Horizontal beam for bulky goods storage



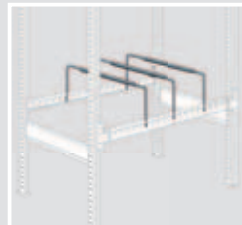
Horizontal beams for tyre and rim storage



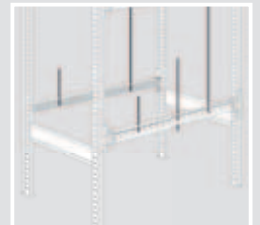
Wooden decked shelves



Steel plate panels



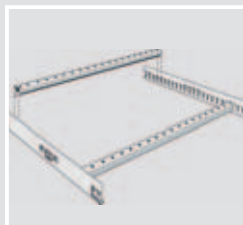
Dividing rods



Pipe stop



Garment rail sets



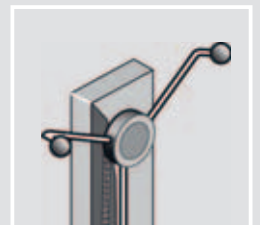
Rail set for any shelf depth



Solid steel side and back panels



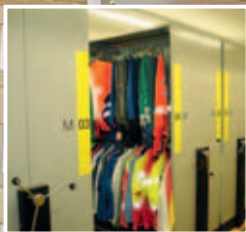
Mesh side and back panels



Drive crankshaft



SSI SCHÄFER AG
Magnum-Lager, Service und Bauelemente 82234 Wessling





For the Car Dealer

Perfect solution to utilise an often small and restricted area. Use of mobile shelving enables additional service parts for vehicles to be carried resulting in better stock management and better customer service level.



Planning a Compact Warehouse

SSI SCHAEFER offers you more than intelligent warehousing technology – a complete solution from a single source with:

- Analysis of your existing warehouse organisation
- Reorganisation with specialist planning for each item in your range and integration in your existing computerised warehouse administration.
- Ready to use installation with a warehouse-style location numbering system

In the Parts Warehouse

Optimised warehouse organisation thanks to mobile shelving system and the use of SSI SCHAEFER plastic shelf containers on the ground floor. The additional warehouse surface gained from using the mobile shelving is used to increase the number of parts held within the same area.



In the Archive

Economic use of space for archiving that enables long term document storage to more easily comply with legal time period requirements.





SSI SCHAEFER AG
Storage and logistics systems



Schaffhauserstrasse 10
CH-8213 Neunkirch
Phone +41 (0) 52 / 687 32 32
Fax +41 (0) 52 / 687 32 93

eMail ssi-info@ssi-schaefer.ch
www.ssi-schaefer.ch