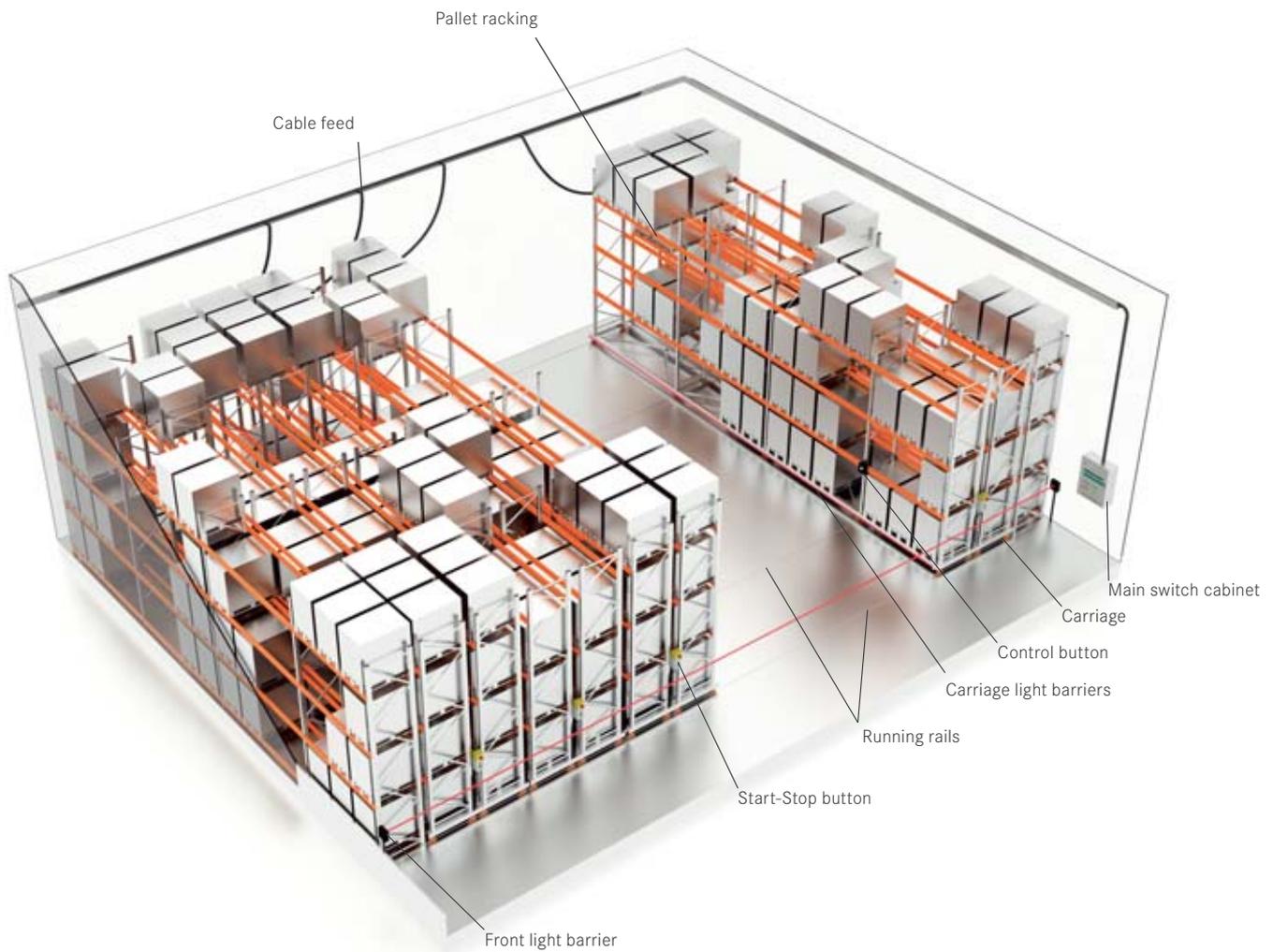


Technical Data Sliding Rack

Sliding Rack



Sliding rack



- The sliding rack installation is controlled by a contactless programmable system
- Movement of the mobile sections is via push-buttons on the racking uprights, via radio remote control or automatically via a fork-lift terminal connected with the overall stores management system
- The mobile sections are driven by electric motors
- Safety light barriers are fitted for personal protection

- The size and composition of the racking block depend on the user's requirements- The dimensions and design of the racking installation are always in accordance with the specified operating conditions
- The complete installation can be constructed in several stages, so gradually increasing the storage capacity
- Different rack types can be installed on the mobile sections depending on requirements

Main switch cabinet

The main switch cabinet with control panel is installed in the immediate vicinity of the installation's working area.



Control system

The modular assembly of system and control circuits is installed in the main switch cabinet.



Control panel

The basic control and signalling elements and diagnostics are located on the control panel.



Operation from the rack

The controls for starting and stopping are on the individual racks of the mobile section.



Remote control

Remote control allows one or more mobile sections to be moved by the handheld controller.



Control via superior system

Control is also possible through communication with a superior stores management system.

Additional control options such as picking controls, fire circuitry or light control are also possible.

Electric drives

The drive is a three-phase motor with enclosed drive. The power and number of drives depends on the loading of the carriage.



All electric drives are directly connected to the carriage drive shaft. The drive shaft is attached to the driving wheels by a flange coupling.



Carriage

Wheel mountings

There are two- or four-wheeled carriages, fitted with either smooth or guiding wheels. The racking assembly is attached to the wheel mountings.



Inner and outer carriers

These carriers are built onto the wheel mountings and together with the diagonal superstructure form the frame of the carriage. They serve as insert carriers for the lower insertion level.



Cable feeds

Cable feeds connect the main switch cabinet and the individual racks. The mobile connections are led out of cableways on the construction, from the ceilings, from floor channels or from the carried cable tray.



Light barriers

The system of safety light barriers is activated when the installation starts moving.



The light barriers are installed on each mobile rack and on the outer sides of the blocks in front of the entryways into the aisles.

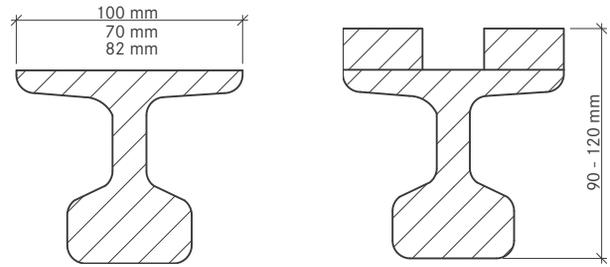
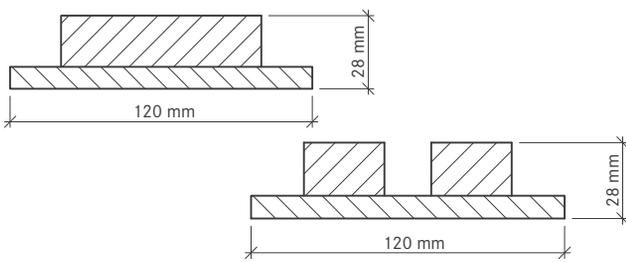


Running rails

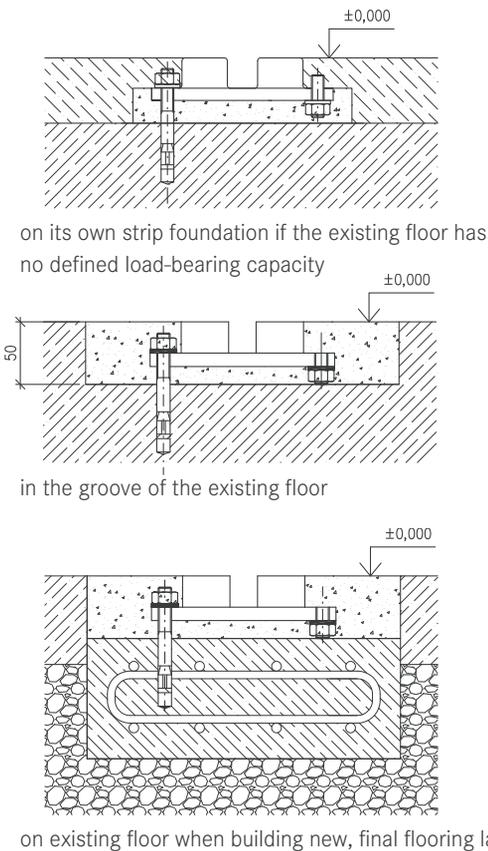
- The mobile racking moves on the rails installed in the floor
- The running rails are installed, levelled and sealed flush with the floor

- The track system is a combination of flat and guide rails
- The running rails must be installed in the existing floor or on the base plate of the newly constructed floor

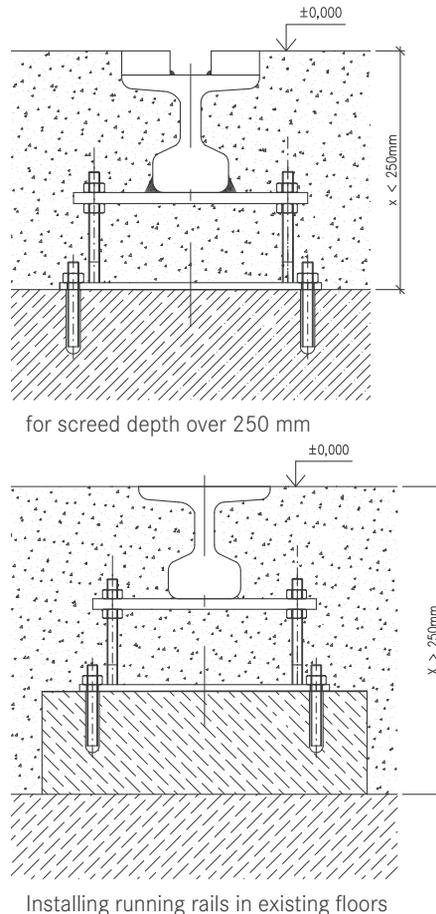
Construction of running rails



Installing running rails in existing floors



Laying drive rails on the base plate



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