

Bolted frame

Galvanised rail supports

**Drive-in racking:
one-sided operation**

**Drive-through racking:
two-sided operation**

**Adjustment in levels
of 50 mm**



Drive-in and Drive-through racking Type EFE

Jungheinrich drive-in and drive-through racking has been proven for over 30 years through quality and universal applications. Construction and load values are always designed according to the latest technical calculation methods.

The European regulation FEM 10.2.02 is the basis for technical verification.

The racking system type EFE also complies with the requirements regarding operational safety according to BGR 234.

The Jungheinrich drive-in racking operates according to the "first-in-last-out" principle (one drive-in side).

The Jungheinrich drive-through racking operates according to the "first-in-first-out" principle (two drive-in sides).

The racking is serviced in both cases by trucks that drive into the racking – as well as into the aisle.

System components are of standard design.

**JUNGHEINRICH**

Drive-in and Drive-through racking Type EFE

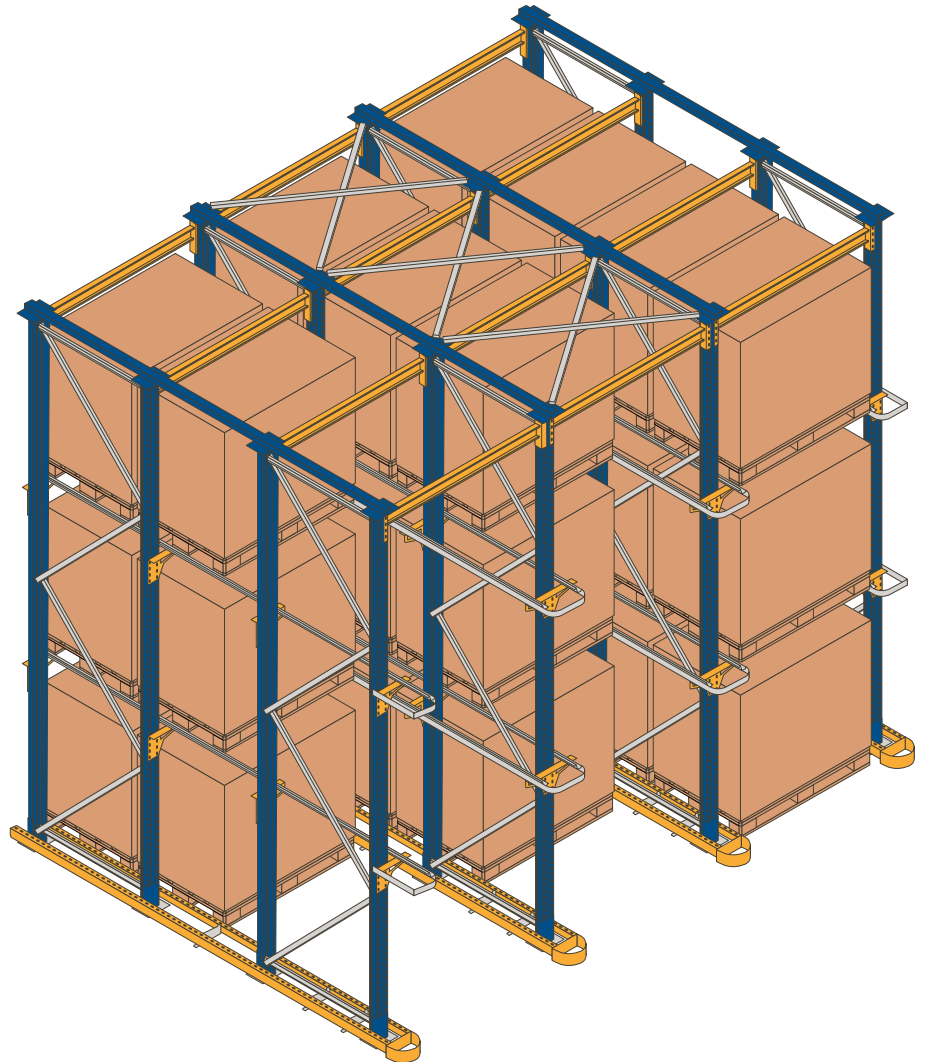
Racking uprights

The upright frames consist of two C-shaped strut profiles formed and stiffened that are bolted together into a rigid connection structure.

Stability and in particular stiffness are increased in this way. Tight tolerances ensure high fitting precision and stability.

Single struts are used for certain channel depths. In these cases, the single struts are connected to the next racking upright at suitable distances.

Racking uprights are powder-coated in the standard "gentian blue" colour (RAL 5010) and stove-enamelled. The upright bracing is made of galvanised steel.

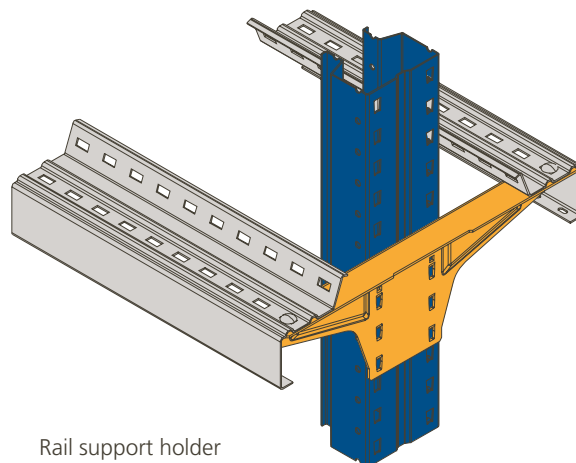


Rail supports

The galvanised rail supports (pallet rails) ensure optimum resistance to deformation. To ensure optimum installation layout, the rail supports are available in different material strengths.

The Z-shaped support ensures safe guidance of pallets during channel entry and no damage to pallets to be deposited from protruding bolt heads. The required rail support holders are selected according to requirement (e.g. loading or channel width). They consist of a pressed console or U-profile with welded angle connection piece.

Due to its friction connection and positive engagement – in connection with slotted holes on the upright – the design of the rail support holder ensures excellent connection rigidity.



Rail support holder

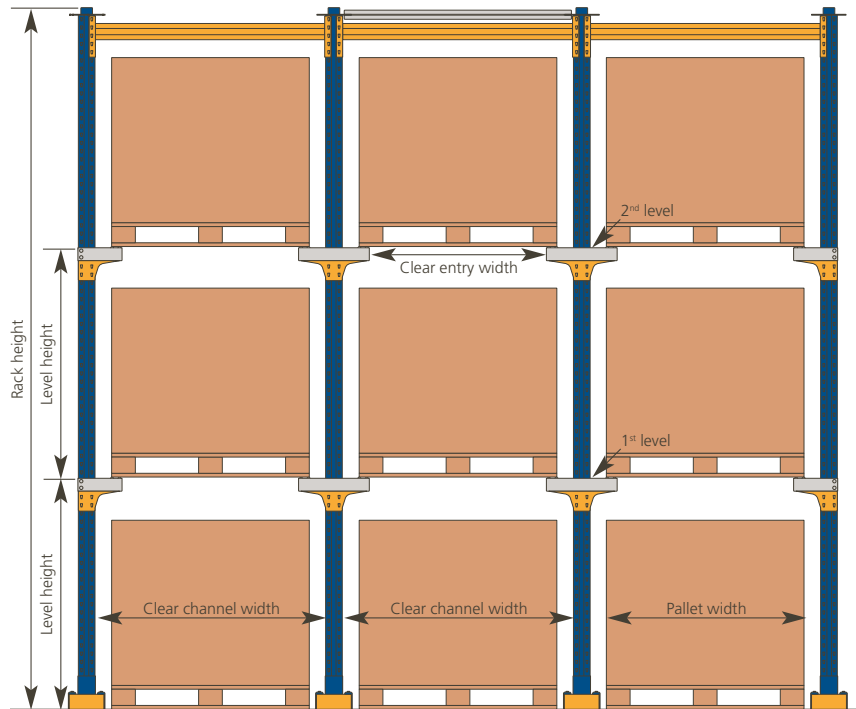
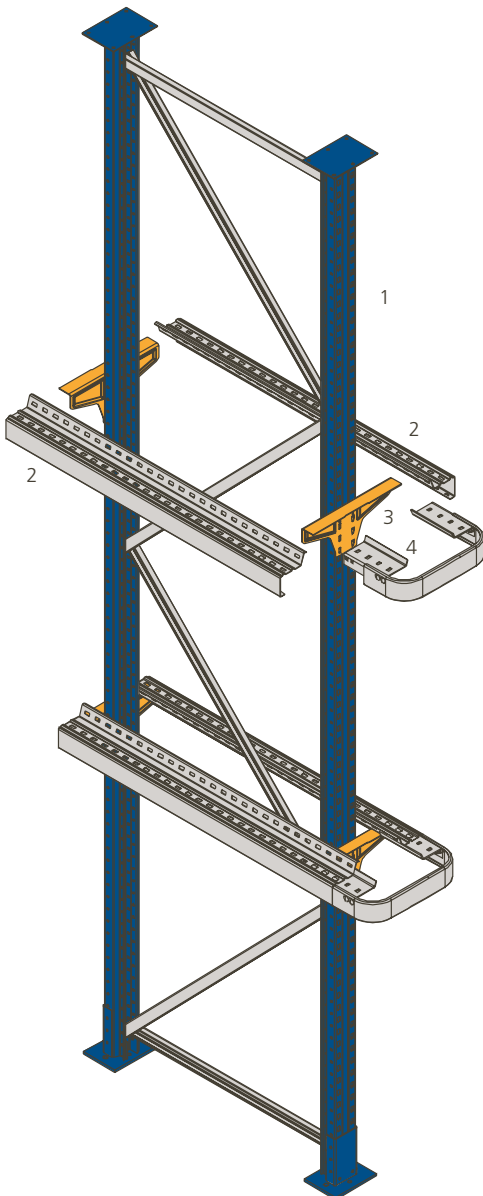
Floor bolts

For safe anchoring of the racking installation, the floor must have a minimum concrete quality of B 25 (with reinforcement) and a minimum strength of 200 mm and must be completely hardened.

The user has to provide proof of floor capacity and permissible surface pressures. Suitable countermeasures must be taken (e.g. the use of underlay plates made of plastic) if the floor consists of a material that chemically reacts with the racking.

Channel width

The clear channel width (e.g. 1400 mm) is dependent on the pallet dimension (e.g. 1200 mm width). The channel depth has to be designed according to the number of pallets stacked behind each other (pallet depth e.g. 800 mm). A safety distance must be taken into account between the pallets.

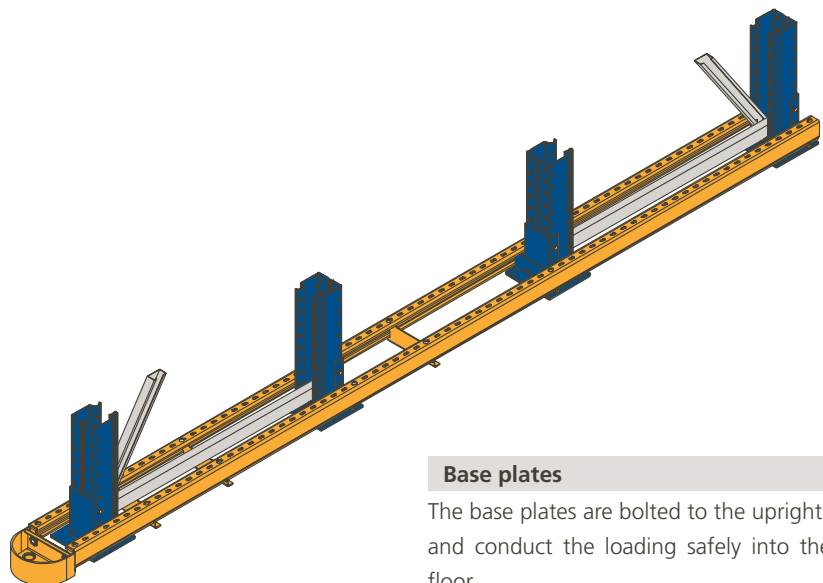


Construction details

- 1 Racking upright
- 2 Rail galvanised
- 3 Rail support holder
- 4 Entry aid to rail support

Guide rail

The guide rail ensures safe travelling in the channel, even with large racking depths. The racking upright base plates are connected to the guide rail by bolts.



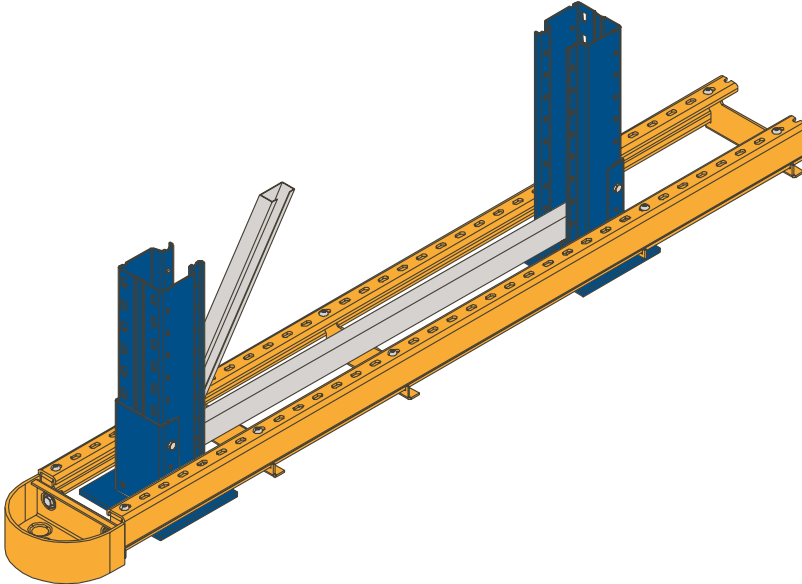
Base plates

The base plates are bolted to the uprights and conduct the loading safely into the floor.

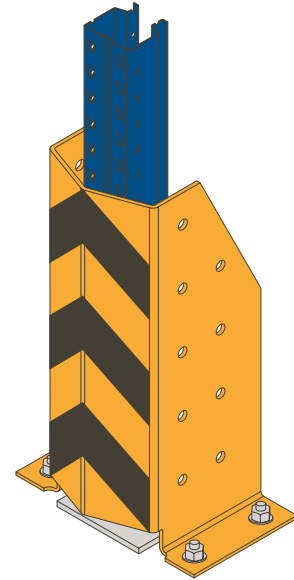
Accessories

The Jungheinrich racking systems can be supplemented, expanded and secured with an extensive accessory range.

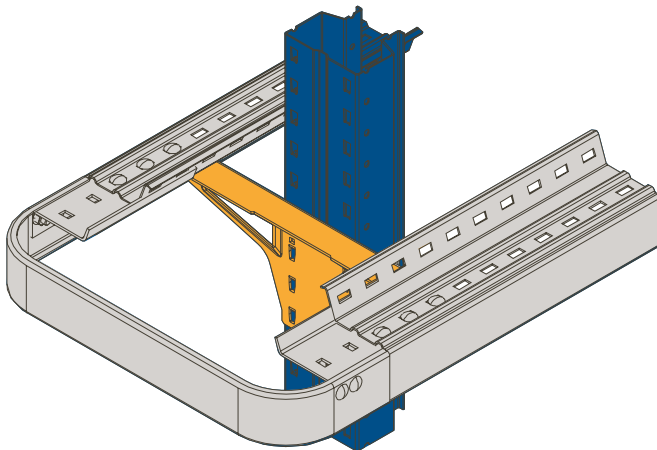
Guide rail including entry funnel



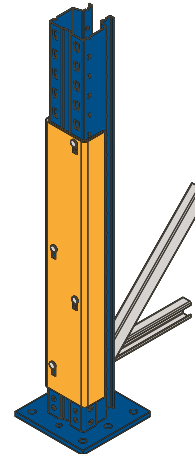
Upright protection



Entry aid



Strut protection in drive-in racking



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