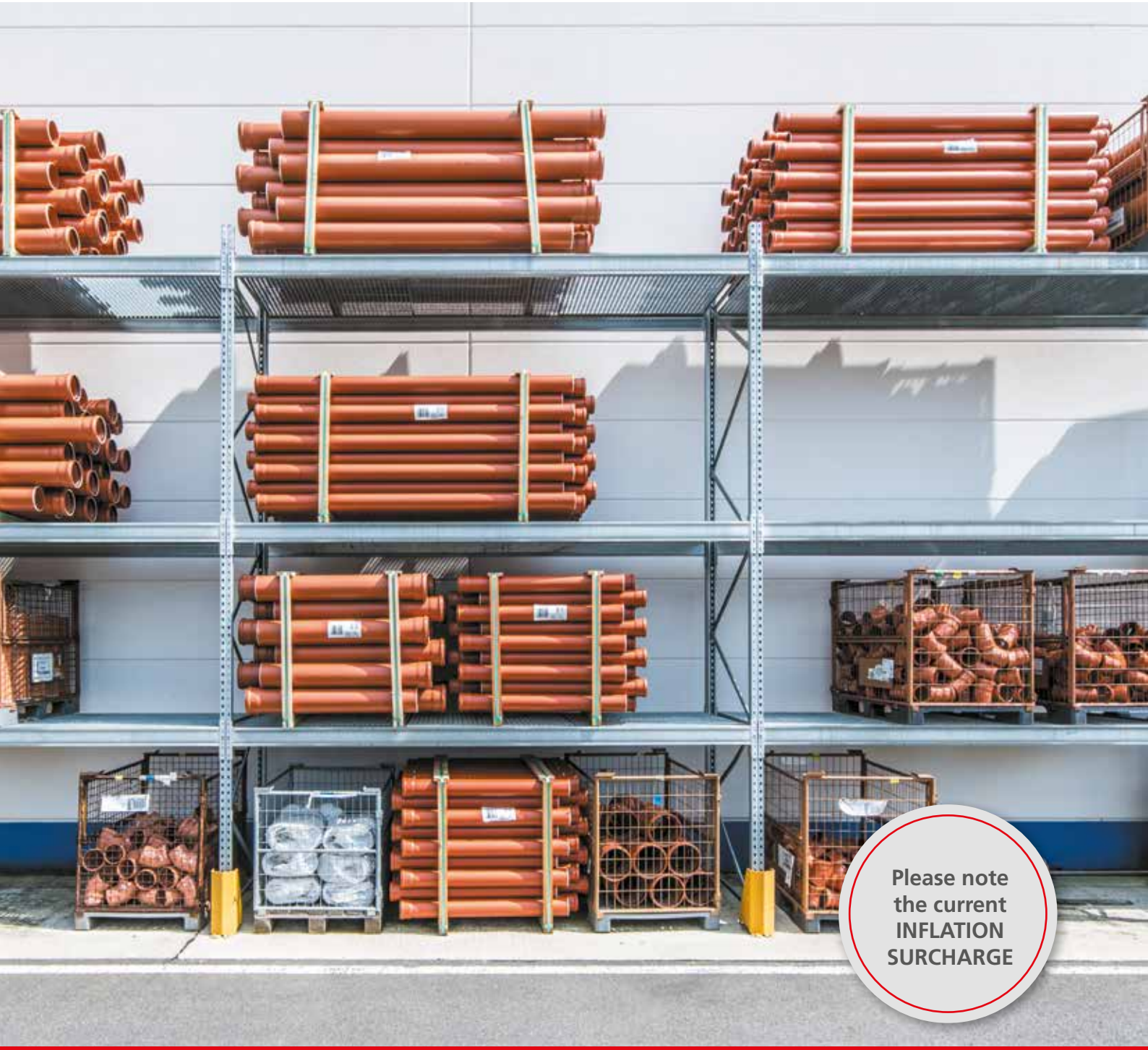
lieber.logisch.lagern

SCHULTE Lagertechnik

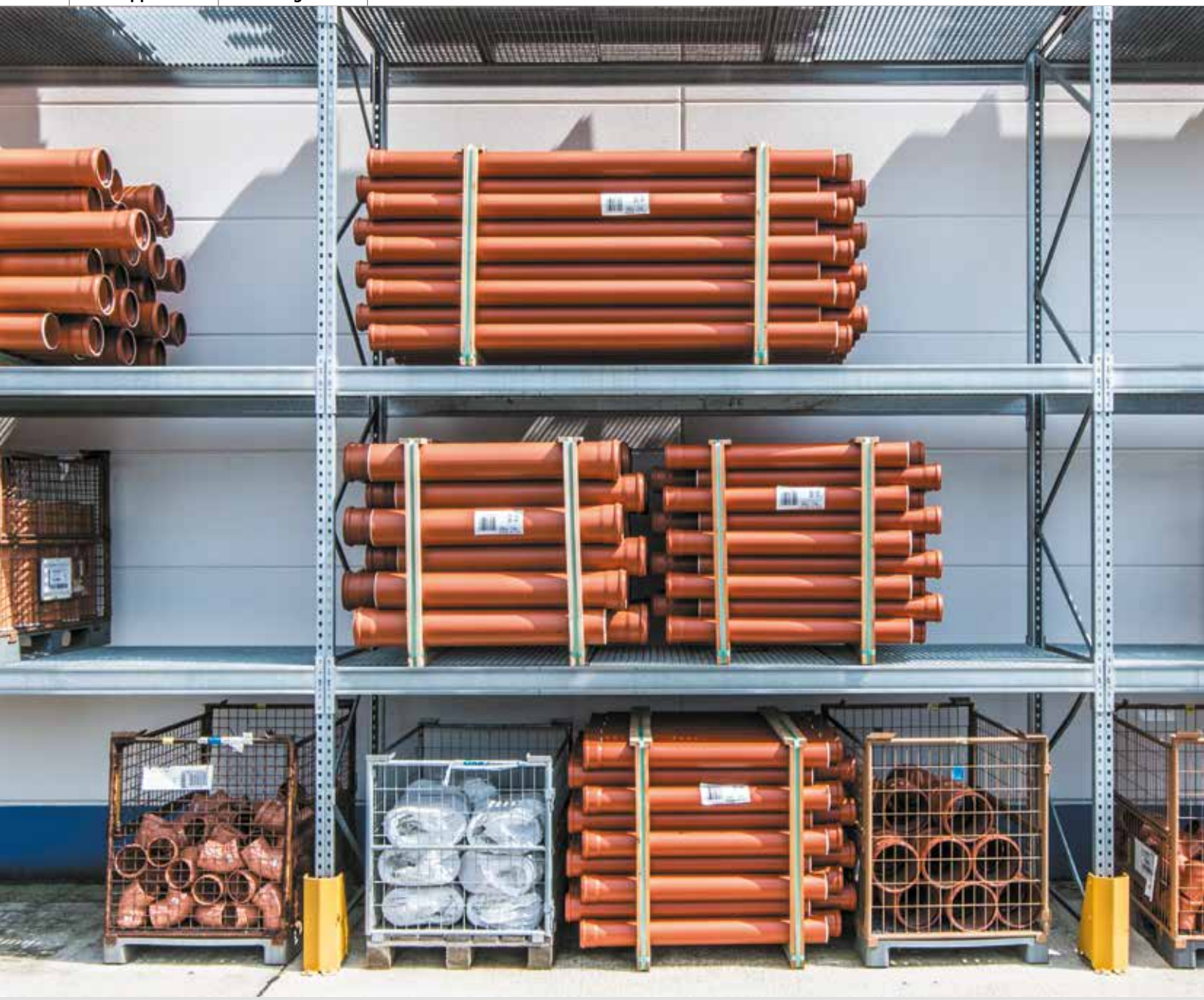



# Hot dip galvanised pallet racks

## for outdoor installation

# Hot dip galvanised pallet racks





## Load approaches:

- Earthquake zone 1 + 2
- Wind zone 1 + 2
- Snow load zone 1 + 2 + 2a
- Terrain category 3 + 4
- no „exposed“ building position (e.g. free-standing on a hill)
- All load approaches apply to Gemany

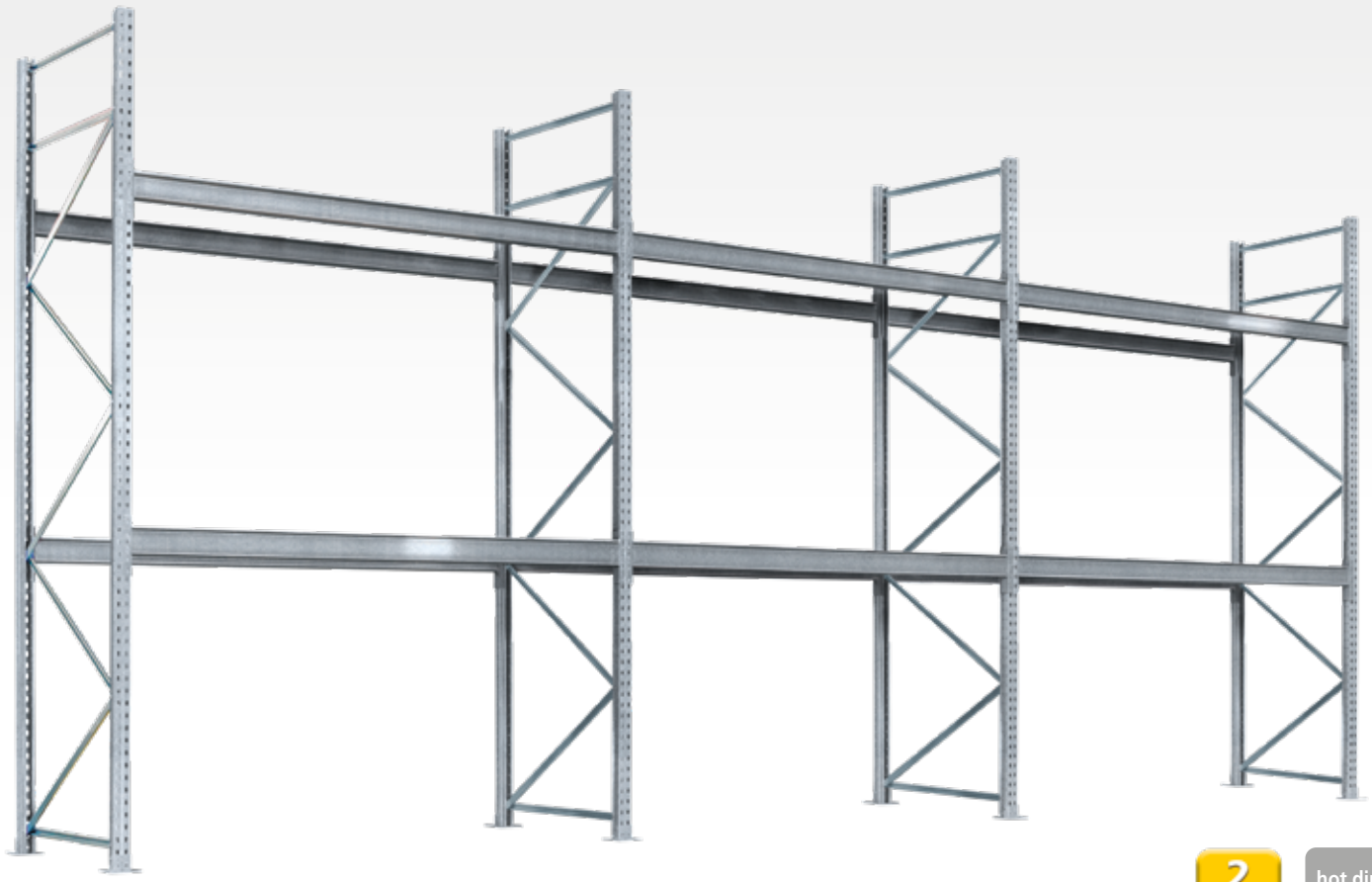
## Planning notes:

- With each order, the exact installation location (postcode, street, house number) must be provided by the customer.
- When installing pallet racking outdoors, it is important that the is to ensure that the strip foundation or base plate is or base plate (see page 7).
- Due to the hot-dip galvanising, more time and effort must be  be taken into account during assembly.
- The general conditions for pallet racking apply in accordance with DIN 15620:2011, DIN EN 15512:2020, DGUV 108-007 and other additional building code conditions. (See also main catalogue page 202-203)
- Please note that the responsibility for compliance with any building code requirements lies with the building owner.

## For outdoor installation

# Starter sets and add-on shelves

## Pallet weight up to 1,000 kg



2 WEEKS ready for dispatch

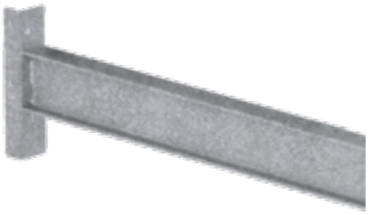
hot dip galvanised

**Starter sets** consist of 3 bays each 2,700 mm or 1,825 mm wide
- 4 frames
- 6, 9, 12 or 15 pairs of beams
- 16 screw anchors + foil cartridge
- 8 shims 2 mm
- 1 load plate DIN A3

Add-on shelving units consist of 1 bay 2,700 mm or 1,825 mm wide
- 1 frame
- 2, 3, 4 or 5 pairs of beams
- 4 screw anchors + foil cartridge
- 2 shims 2 mm

**Features:**

- Hot dip galvanised surface coating
- pallet weight: 1,000 kg
- for the storage of Euro pallets with a maximum pallet height of 2,530 mm
- Hot rolled IPE uprights with 5 agraffe hooks
- Minimum requirement: 3 bays with at least 2 upright levels each
- Frame depth 1,100 mm
- Screw anchors incl. foil cartridge
- Installation site according to load estimates, see page 2.
  (If you have any questions, please contact the SCHULTE sales engineer).

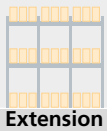


**IPE beam:**

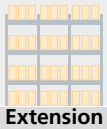
- robust and durable design
- hot-rolled IPE 100 + 120
- with 5 agraff hooks
- incl. locking screw

Please note the load approaches and planning notes on page 2-3!

## Height 4,500 mm - 3 storage levels - Pallet weight up to 1,000 kg

| Starter set (3 bays) | Height mm | Width mm | Beam width mm | Depth mm | Bay height mm | Pallet height max, mm | Number storage levels (incl, Floor) | Number pallet spaces | Beam type | Bay load max, kg | Frame type | Art,-No, | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 4,500 | 5,965 | 1,825 | 1,100 | 2,000 | 1,780 | 3 | 18 | IPE100/55 | 4,000 | S665-C30-FV | 47100-FV ■ | 7,354.14 € |
| | 4,500 | 8,590 | 2,700 | 1,100 | 2,000 | 1,780 | 3 | 27 | IPE120/64 | 6,000 | S665-C30-FV | 47110-FV ■ | 9,004.61 € |
| **Extension shelving** | | | | | | | | | | | | | |
| | 4,500 | 1,950 | 1,825 | 1,100 | 2,000 | 1,780 | 3 | 6 | IPE100/55 | 4,000 | S665-C30-FV | 47105-FV ■ | 2,030.93 € |
| | 4,500 | 2,825 | 2,700 | 1,100 | 2,000 | 1,780 | 3 | 9 | IPE120/64 | 6,000 | S665-C30-FV | 47115-FV ■ | 2,581.08 € |

## Height 4,500 mm - 4 storage levels - Pallet weight up to 1,000 kg

| Starter set (3 bays) | Height mm | Width mm | Beam width mm | Depth mm | Bay height mm | Pallet height max, mm | Number storage levels (incl, Floor) | Number pallet spaces | Beam type | Bay load max, kg | Frame type | Art,-No, | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 4,500 | 5,965 | 1,825 | 1,100 | 1,300 | 1,080 | 4 | 24 | IPE100/55 | 6,000 | S665-C30-FV | 47101-FV ■ | 8,508.49 € |
| | 4,500 | 8,590 | 2,700 | 1,100 | 1,300 | 1,080 | 4 | 36 | IPE120/64 | 9,000 | S665-C30-FV | 47111-FV ■ | 10,984.19 € |
| **Extension shelving** | | | | | | | | | | | | | |
| | 4,500 | 1,950 | 1,825 | 1,100 | 1,300 | 1,080 | 4 | 8 | IPE100/55 | 6,000 | S665-C30-FV | 47106-FV ■ | 2,415.71 € |
| | 4,500 | 2,825 | 2,700 | 1,100 | 1,300 | 1,080 | 4 | 12 | IPE120/64 | 9,000 | S665-C30-FV | 47116-FV ■ | 3,240.94 € |

## Height 4,500 mm - 5 storage levels - Pallet weight up to 1,000 kg

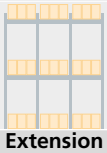
| Starter set (3 bays) | Height mm | Width mm | Beam width mm | Depth mm | Bay height mm | Pallet height max, mm | Number storage levels (incl, Floor) | Number pallet spaces | Beam type | Bay load max, kg | Frame type | Art,-No, | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 4,500 | 5,965 | 1,825 | 1,100 | 1,000 | 780 | 5 | 30 | IPE100/55 | 8,000 | S665-C30-FV | 47102-FV ■ | 9,662.84 € |
| | 4,500 | 8,590 | 2,700 | 1,100 | 1,000 | 780 | 5 | 45 | IPE120/64 | 12,000 | S665-C30-FV | 47112-FV ■ | 12,963.78 € |
| **Extension shelving** | | | | | | | | | | | | | |
| | 4,500 | 1,950 | 1,825 | 1,100 | 1,000 | 780 | 5 | 10 | IPE100/55 | 8,000 | S665-C30-FV | 47107-FV ■ | 2,800.49 € |
| | 4,500 | 2,825 | 2,700 | 1,100 | 1,000 | 780 | 5 | 15 | IPE120/64 | 12,000 | S665-C30-FV | 47117-FV ■ | 3,900.81 € |



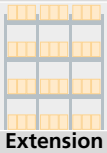
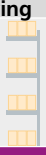
■ 2 weeks ready for dispatch

**Please note the load approaches and planning notes on page 2-3!**

## Height 6,000 mm - 3 storage levels - Pallet weight up to 1,000 kg

| Starter set (3 bays) | Height mm | Width mm | Beam width mm | Depth mm | Bay height mm | Pallet height max, mm | Number storage levels (incl, Floor) | Number pallet spaces | Beam type | Bay load max, kg | Frame type | Art,-No, | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 6,000 | 5,965 | 1,825 | 1,100 | 2,750 | 2,530 | 3 | 18 | IPE100/55 | 4,000 | S665-C30-FV | 47150-FV ■ | 8,310.02 € |
| | 6,000 | 8,590 | 2,700 | 1,100 | 2,750 | 2,530 | 3 | 27 | IPE120/64 | 6,000 | S665-C30-FV | 47160-FV ■ | 9,960.49 € |
| **Extension shelving** | | | | | | | | | | | | | |
| | 6,000 | 1,950 | 1,825 | 1,100 | 2,750 | 2,530 | 3 | 6 | IPE100/55 | 4,000 | S665-C30-FV | 47155-FV ■ | 2,269.90 € |
| | 6,000 | 2,825 | 2,700 | 1,100 | 2,750 | 2,530 | 3 | 9 | IPE120/64 | 6,000 | S665-C30-FV | 47165-FV ■ | 2,820.05 € |

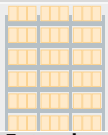
## Height 6,000 mm - 4 storage levels - Pallet weight up to 1,000 kg

| Starter set (3 bays) | Height mm | Width mm | Beam width mm | Depth mm | Bay height mm | Pallet height max, mm | Number storage levels (incl, Floor) | Number pallet spaces | Beam type | Bay load max, kg | Frame type | Art,-No, | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 6,000 | 5,965 | 1,825 | 1,100 | 1,850 | 1,630 | 4 | 24 | IPE100/55 | 6,000 | S665-C30-FV | 47151-FV ■ | 9,464.37 € |
| | 6,000 | 8,590 | 2,700 | 1,100 | 1,850 | 1,630 | 4 | 36 | IPE120/64 | 9,000 | S665-C30-FV | 47161-FV ■ | 11,940.07 € |
| **Extension shelving** | | | | | | | | | | | | | |
|  | 6,000 | 1,950 | 1,825 | 1,100 | 1,850 | 1,630 | 4 | 8 | IPE100/55 | 6,000 | S665-C30-FV | 47156-FV ■ | 2,654.68 € |
| | 6,000 | 2,825 | 2,700 | 1,100 | 1,850 | 1,630 | 4 | 12 | IPE120/64 | 9,000 | S665-C30-FV | 47166-FV ■ | 3,479.91 € |

## Height 6,000 mm - 5 storage levels - Pallet weight up to 1,000 kg

| Starter set (3 bays) | Height mm | Width mm | Beam width mm | Depth mm | Bay height mm | Pallet height max, mm | Number storage levels (incl, Floor) | Number pallet spaces | Beam type | Bay load max, kg | Frame type | Art,-No, | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | 6,000 | 5,965 | 1,825 | 1,100 | 1,400 | 1,180 | 5 | 30 | IPE100/55 | 8,000 | S665-C30-FV | 47152-FV ■ | 10,618.73 € |
| | 6,000 | 8,590 | 2,700 | 1,100 | 1,400 | 1,180 | 5 | 45 | IPE120/64 | 12,000 | S665-C30-FV | 47162-FV ■ | 13,919.66 € |
| **Extension shelving** | | | | | | | | | | | | | |
| | 6,000 | 1,950 | 1,825 | 1,100 | 1,400 | 1,180 | 5 | 10 | IPE100/55 | 8,000 | S665-C30-FV | 47157-FV ■ | 3,039.47 € |
| | 6,000 | 2,825 | 2,700 | 1,100 | 1,400 | 1,180 | 5 | 15 | IPE120/64 | 12,000 | S665-C30-FV | 47167-FV ■ | 4,139.78 € |

## Height 6,000 mm - 6 storage levels - Pallet weight up to 1,000 kg

| Starter set (3 bays) | Height mm | Width mm | Beam width mm | Depth mm | Bay height mm | Pallet height max, mm | Number storage levels (incl, Floor) | Number pallet spaces | Beam type | Bay load max, kg | Frame type | Art,-No, | Price |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  | 6,000 | 5,965 | 1,825 | 1,100 | 1,000 | 750 | 6 | 36 | IPE100/55 | 10,000 | S665-C30-FV | 47153-FV ■ | 11,773.08 € |
| | 6,000 | 8,590 | 2,700 | 1,100 | 1,000 | 750 | 6 | 54 | IPE120/64 | 15,000 | S665-C30-FV | 47163-FV ■ | 15,899.24 € |
| **Extension shelving** | | | | | | | | | | | | | |
| | 6,000 | 1,950 | 1,825 | 1,100 | 1,000 | 750 | 6 | 12 | IPE100/55 | 10,000 | S665-C30-FV | 47158-FV ■ | 3,424.25 € |
| | 6,000 | 2,825 | 2,700 | 1,100 | 1,000 | 750 | 6 | 18 | IPE120/64 | 15,000 | S665-C30-FV | 47168-FV ■ | 4,799.64 € |

## Base plates
### for uprights

- For inserting the uprights
- For anchoring to the floor with a ground anchor
- hot dip galvanised

| for frame type | Width x Depth mm | | |
|---|---|---|---|
| S665-C30-FV | 211 x 200 | 47698-FV ■ | 59,38 € |

## Screw anchor incl. foil cartridges
### for pallet rack frames

- for floor mounting
- 14 mm Ø, 120 mm long
- Permitted for concrete quality C 20/25
- Foil cartridge for fast and efficient heavy duty anchoring in concrete
- Stainless steel

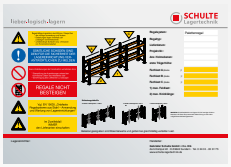
| | | |
|---|---|---|
| Stainless steel | 47799-FV ■ | 28,93 € |

## Support plates for base plates
### to compensate for uneven floors

- galvanised

| for frame type | Items | Width x Depth mm | Material thickness mm | | |
|---|---|---|---|---|---|
| S665-C30-FV | 1 | 209 x 198 | 2 | 16201-1 ■ | 4,69 € |
| S665-C30-FV | 5 | 209 x 198 | 2 | 16201-5 ■ | 23,45 € |

## Load capacity labels
### DIN A3



- suitable for outdoor use
- individual according to system specification
- printed on AluDibond
- according to DIN EN 15635

| | | |
|---|---|---|
| DIN A3 | 13711-A ■ | 81,39 € |

## Grating, placed on top
### Mesh size 60 x 40 mm

- 50 mm outer edge
- Secure top positioning through spanning the beams
- For storage of loose parts
- For securing passageways and aisles
- Hot-dip galvanised

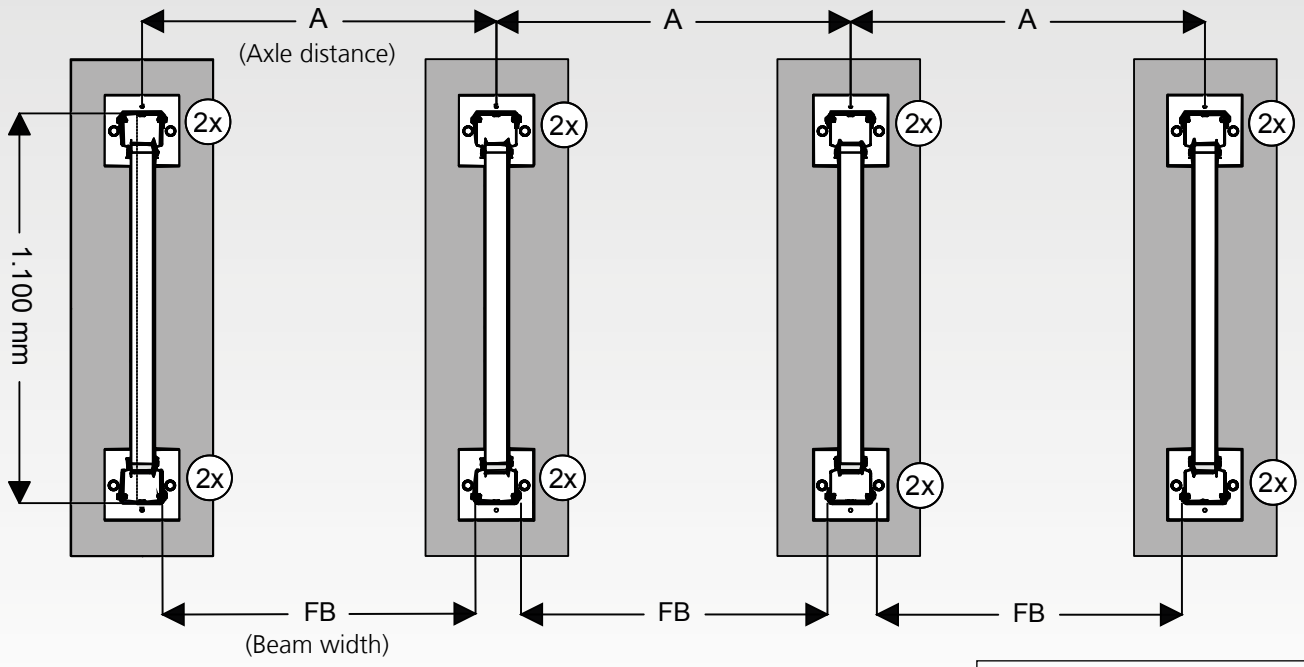
**Please note: When using gratings, the load-bearing capacity of the beam pairs used must not be exceeded!**

| Frame depth mm | Beam length mm | Shelf load kg/Level | Number grating panels | Price / Level | |
|---|---|---|---|---|---|
| 1.100 | 1.825 | 2.000 | 2 | 46732 ■ | 223,98 € |
| 1.100 | 2.700 | 3.000 | 3 | 46734 ■ | 335,97 € |



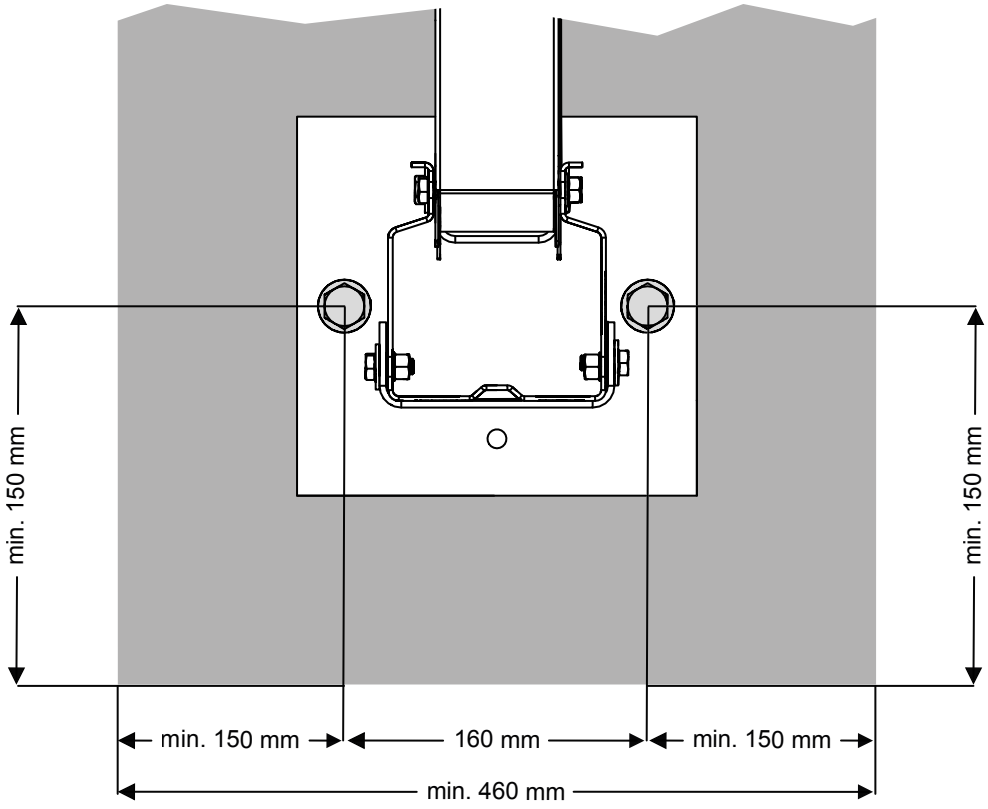
■ 2 weeks ready for dispatch

## Dowel positions




**FB 1.825 mm = A 1.950 mm**
**FB 2.700 mm = A 2.825 mm**

## Floor slab / foundation dimensioning




For the outdoor installation of pallet racks, special building law requirements apply depending on the federal state. In addition to the load approaches for wind, snow and earthquake loads, the design of the foundations in particular is relevant under building law.

Please note that the responsibility for compliance with any building law requirements lies with the building owner. The dimensioning of the base plate / strip foundations is subject to a reciprocal load of 85kN compression and 60kN tensile load!

lieber.logisch.lagern

SCHULTE Lagertechnik

Gebrüder Schulte GmbH & Co. KG · Zum Dümpel 22 · 59846 Sundern · Tel. +49 2933-836-175 · www.schulte-lagertechnik.de

29000-172 / 06.2023

Technical changes and errors excepted. All prices plus VAT, ex works, without assembly. The General Terms and Conditions apply, which you can view on our homepage at at www.schulte-lagertechnik.de/de/agb. This brochure is intended for industry, trade, craft and commerce.