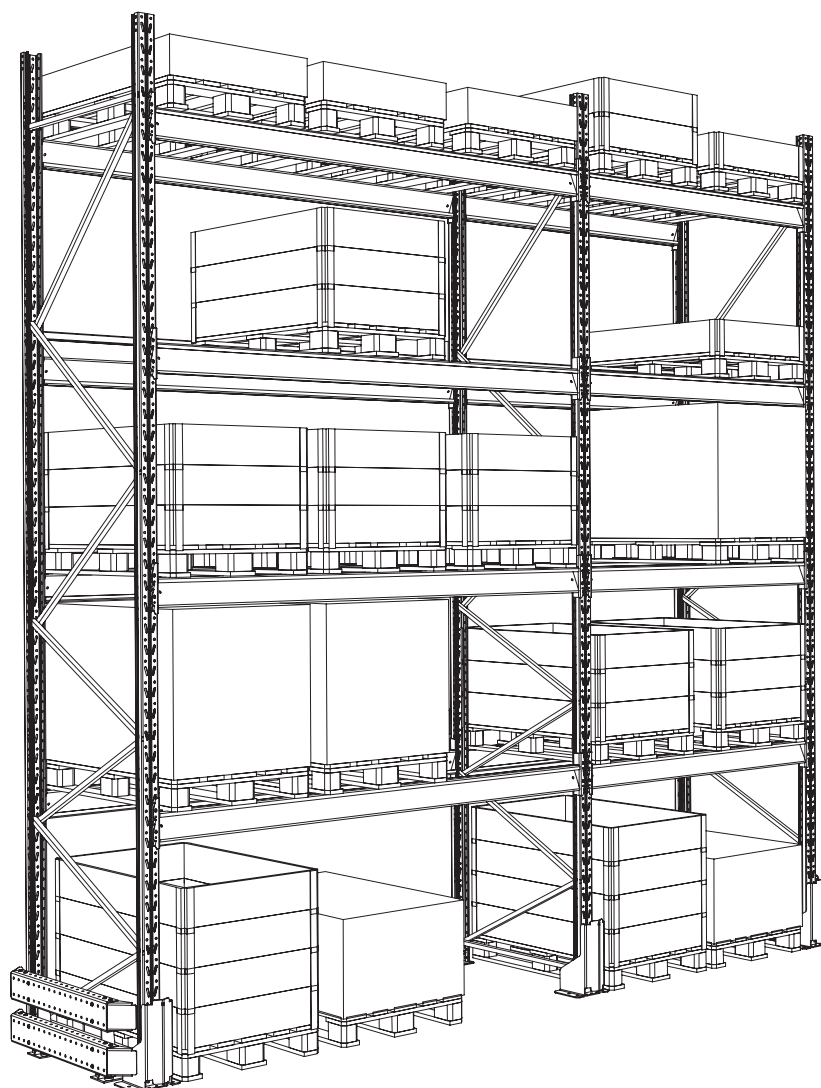


Assembly and users manual

Pallet racking Omega



Assembling tools

13 mm Hex socket
16 mm Hex socket
17 mm Hex socket
18 mm Hex socket
19 mm (Upright protector, Frame protector)
6 mm Hex head bit (Upright reinforce, Frame protector)
T25 Torx bit (Vertical drive through protector)
T30 Torx bit (Pallet support bar)
10 mm Concrete drill bit
12 mm Concrete drill bit (Upright protector, Frame protector)
Driver/Impact wrench (with adjustable torque)
Level alt. Laserliner
Rotary Hammer alt. Hammer-drill
Hammer

Concrete floor

The concrete grade shall be minimum C 25/30

Construction joints must not pass through the rack, because a movement in the joint can cause unpredictable forces in the rack. Construction joints shall be placed between the racks.



Purchaser/User is responsible that the floor is designed for the actual loads.

EAB can by request provide information about floor loads from the rack.

Maximum height tolerances

Measure	Measure length	Tolerance
Flatness	0.25 m	± 1.2 mm
Flatness	2.0 m	± 5 mm
Slope		1/600

All points, regarding both flatness and slope, shall be within ±20 mm of the horizontal datum.



If the floor is not made of concrete, please contact EAB

Tightening Torque

Screw M10 8.8	Max. tightening torque 47 Nm
Taptite M6	Max. tightening torque 5 Nm
Taptite M8	Max. tightening torque 15 Nm
Screw B31K 5,5x20	Max. tightening torque 5 Nm
Lock nut M10 class 8	
Tighten screw joints for good contact.	
Max. tightening torque must not be exceeded.	

For assembly of bracing in frame

Screw M8x75/12	Max. tightening torque 8-12 Nm
Lock nut M8 class 8	
Use driver with adjustable torque	
Calibrate the driver with a torque wrench	

Expansion anchors

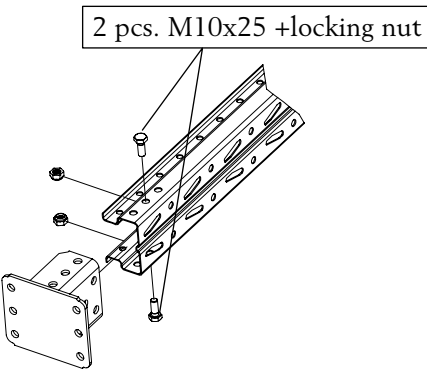
M10x90 Hilti HST
Drill hole Ø10 - 80 mm
Min. mounting depth 69 mm
Max. thickness fastened 10 mm

M12x100 Hilti HSA
Drill hole Ø12 - 95 mm
Min. mounting depth 65 mm
Max. thickness fastened 20 mm

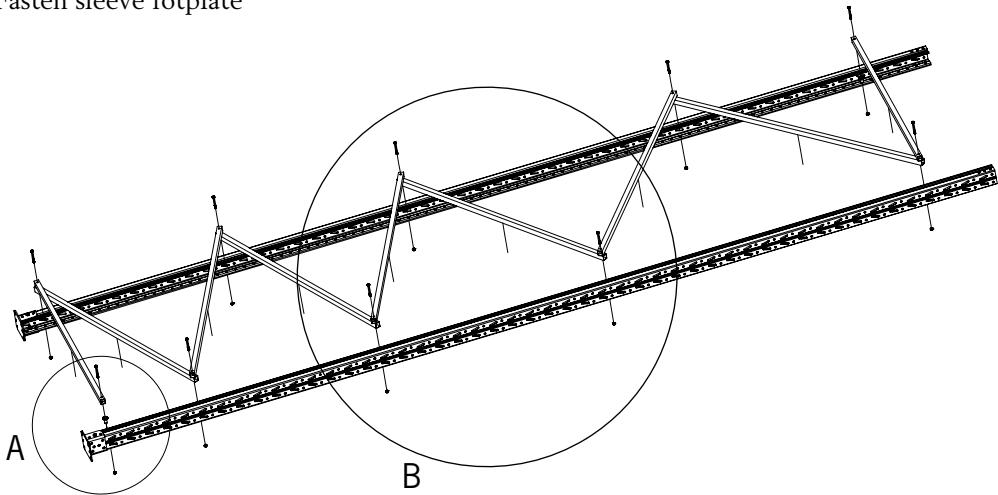
See Hiltis instructions on the package.

If the distance between the anchor and the concrete edge is less than 9x anchor diameter, please contact EAB.

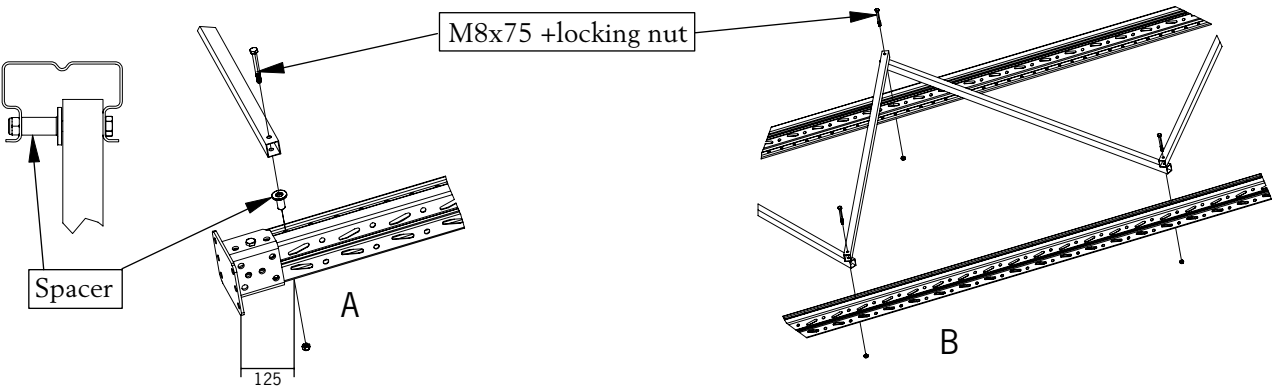
ASSEMBLING OF FRAMES



1. Fasten sleeve fotplate



2. Place braces according to frame views page 5

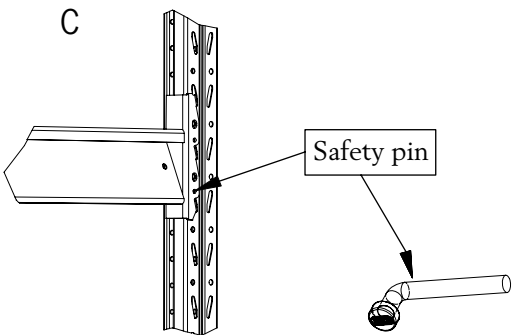
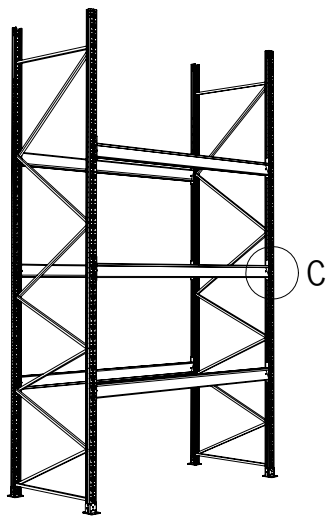


3. Place a spacer at free side of horizontal brace

4. Fasten all braces
Tightening moment Max 8-12 Nm

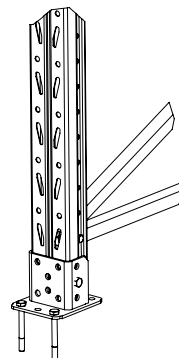
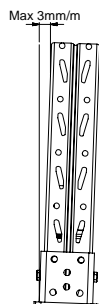
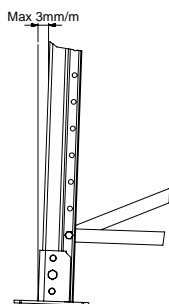
ASSEMBLING OF RACKING

Level the floor to find the highest spot.
The spot will determine by how much the rack needs to be leveled.



5. Raise the first section and fit two safety pins per horizontal beam

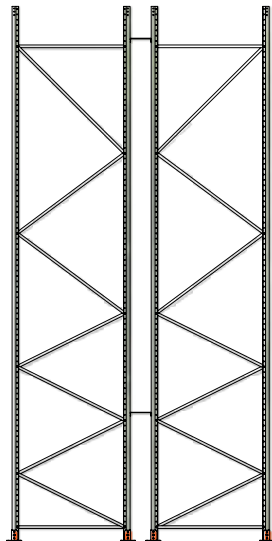
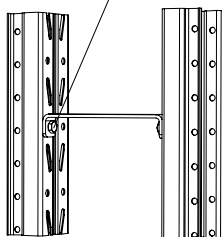
If the floor is uneven, the footplate shall be adjusted with leveling plates to attain a horizontal level.
Max leveling: 25mm



Footplate anchors with 2 pcs. expansion anchors M10x90.
If leveling exceeds 5 mm then use expansion anchors M10x110.

FRAME SPACER

Screw M10x25 +locking nut



Dimensions - 800 mm frames

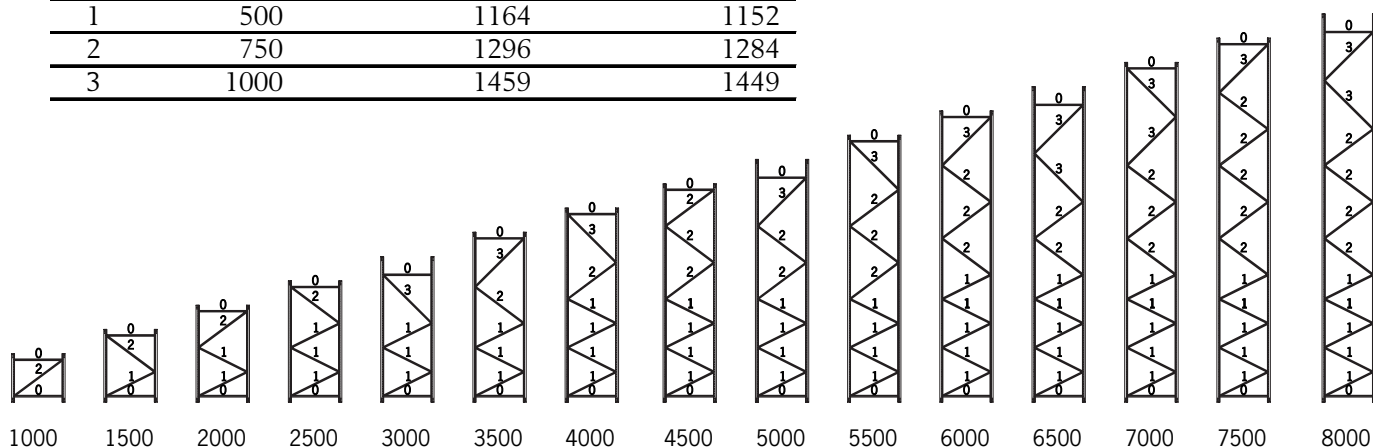
Brace type	Rise per brace	Length of brace (90 upright)	Length of brace (110 upright)
0	0	747	733
1	500	906	895
2	750	1071	1061
3	1000	1265	1257

Dimensions - 900 mm frames

Brace type	Rise per brace	Length of brace (90 upright)	Length of brace (110 upright)
0	0	847	833
1	500	989	977
2	750	1142	1131
3	1000	1325	1316

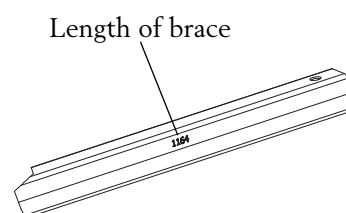
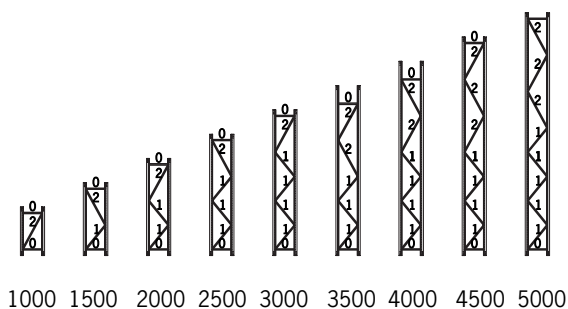
Dimensions - 1100 mm frames

Brace type	Rise per brace	Length of brace (90 upright)	Length of brace (110 upright)
0	0	1047	1033
1	500	1164	1152
2	750	1296	1284
3	1000	1459	1449



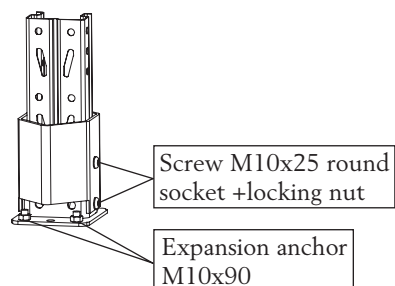
Dimensions - 500 mm frames

Brace type	Rise per brace	Length of brace (90 upright)	Length of brace (110 upright)
0	0	447	433
1	500	685	676
2	750	893	887

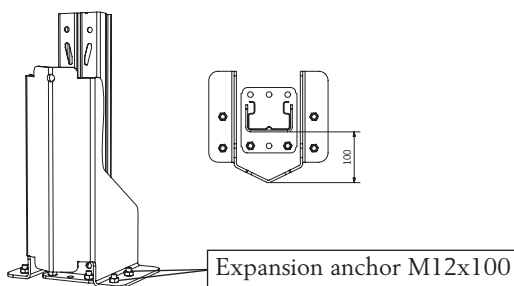


UPRIGHT PROTECTOR/REINFORCE

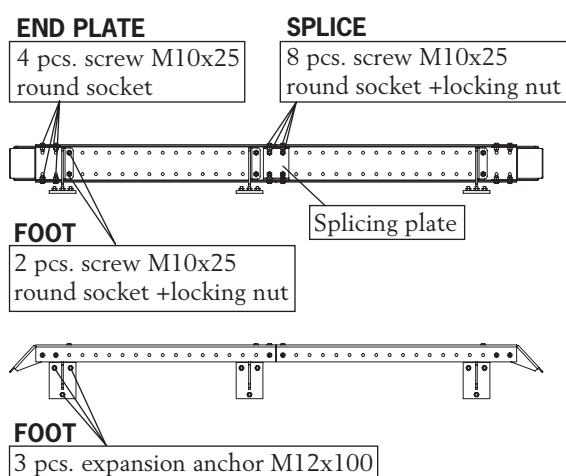
UPRIGHT REINFORCE



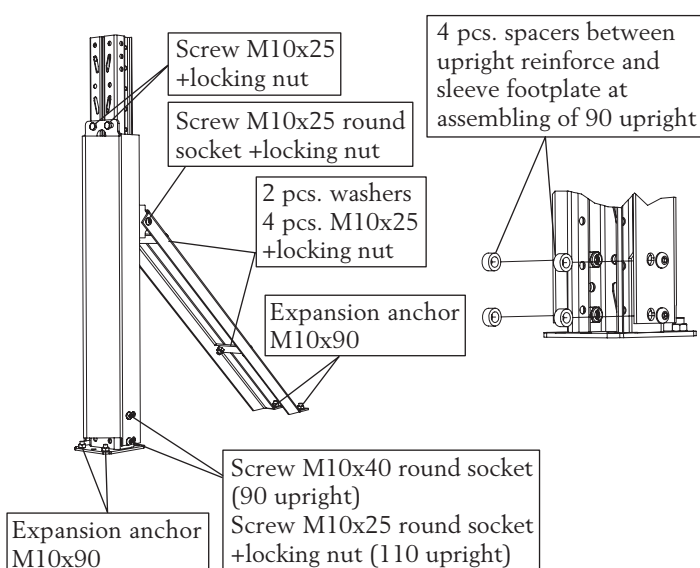
UPRIGHT PROTECTOR HEIGHT 400 MM



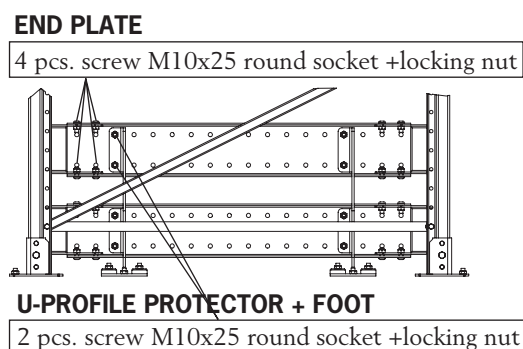
WALL PROTECTOR



UPRIGHT REINFORCEMENT HIGH

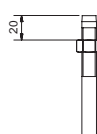


FRAME PROTECTOR HEIGHT 400 MM

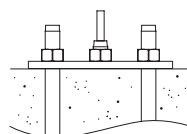


The frame protector fulfill the requirements according to SS-EN 15512, even during assembly without pu-spring. We recommend that the pu-springs are always installed, since it increases the frame protectors capacity against repeatedly collisions.

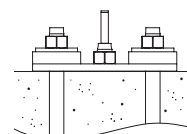
MOUNTING FEET WITH PU-SPRING IN CONCRETE FLOOR



1. Screwing down a nut 20 mm on a M12 expansion anchor.



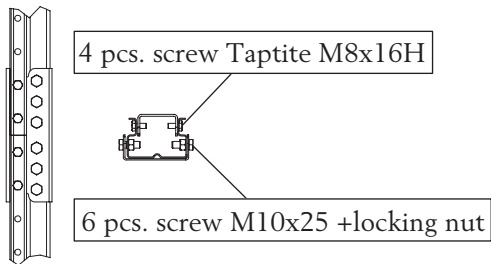
2. Hammer down and tighten the expansion anchor.



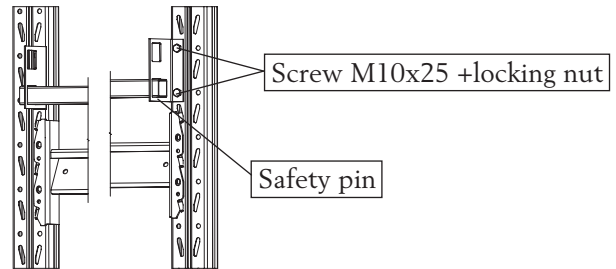
3. Unscrew the nut and provide 2 pcs expansion anchor with pu-spring, washer and locking nut. Tighten the locking nut to good contact to the washer.

ACCESSORIES

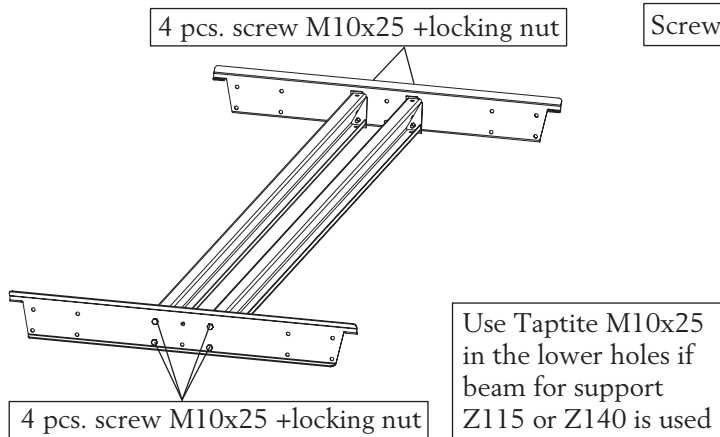
JOINT SLEEVE



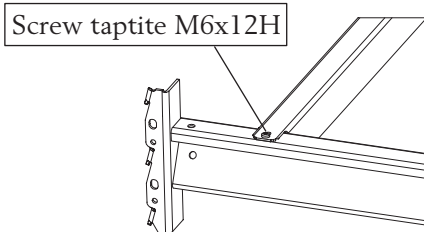
HORIZONTALLY DRIVE THROUGH PROTECTOR



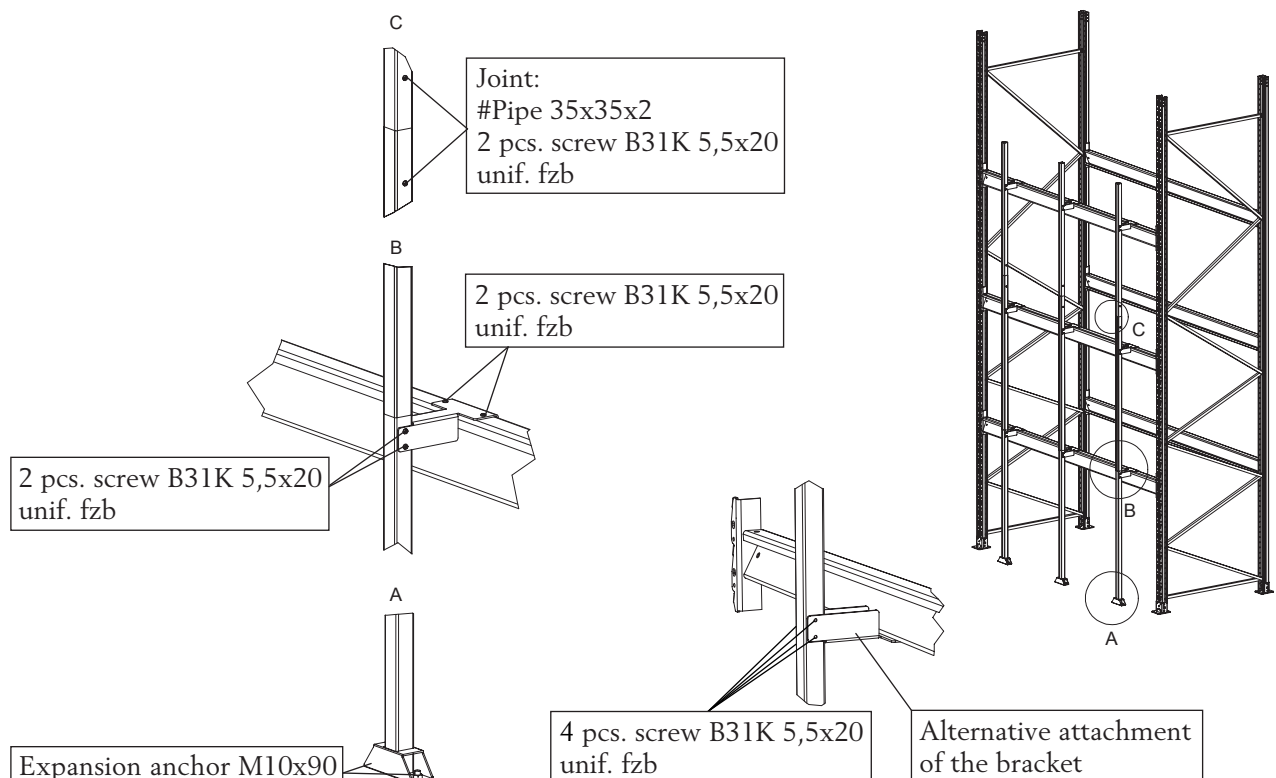
HALF PALLET SUPPORT



PALLET SUPPORT BAR



VERTICAL DRIVE THROUGH PROTECTOR





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