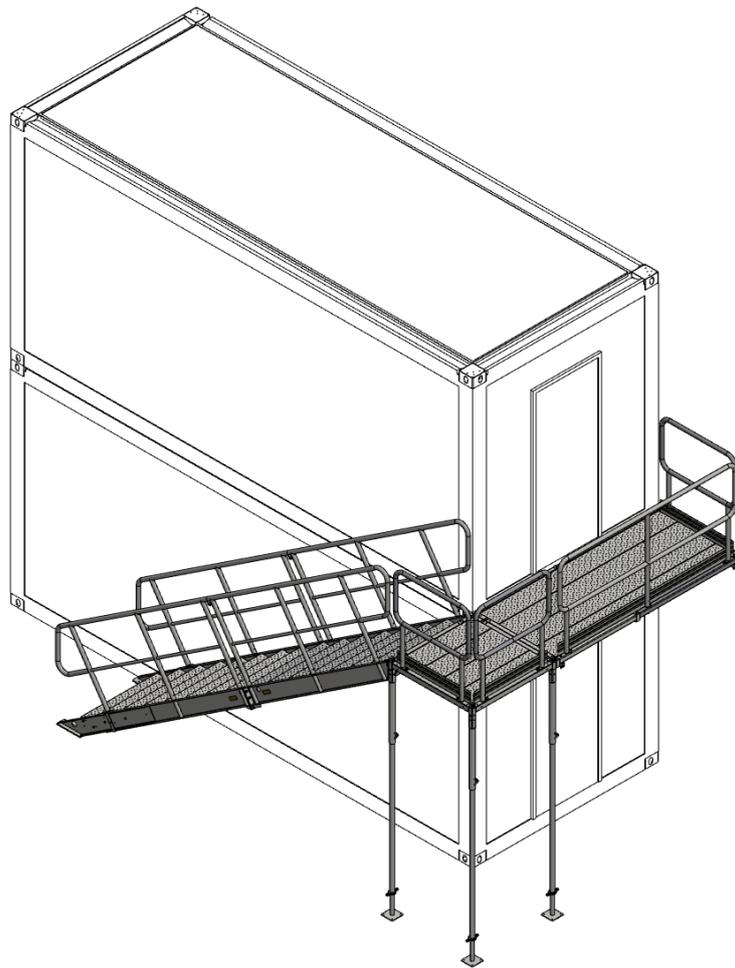

Attachment no. 1

Assembly Manual for

Container Stairs



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(Checked by)

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(Approved by)

Issue 7.0, October 2024

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Table of changes

No	FULL NAME	DEPT	DATE	SCOPE OF CHANGE	NOTES
1	Piotr Abram	BR	21.08.2018	Graphics, point 4.8	
2	Piotr Abram	BR	21.08.2018	Table 1, Figure 5 and 7	
3	Paweł Oleszkowicz	B+R	06.10.2021	General document update. New variants have been added.	
4	Paweł Oleszkowicz	B+R	03.08.2023	Update of the statement of components and variants	
5	Paweł Oleszkowicz	B+R	06.10.2021	General document update.	
6					
7					
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9					
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11					
12					
13					
14					

1. Assembly manual

The assembly manual is an attachment to the operation and maintenance documentation of the TLC container stair system.

Container stairs consist of individual elements according to specification attached with the delivery. The system includes fasteners. The system is delivered in the form of separate elements, such as platforms, railings, steps, fasteners, stairs, posts. The elements are assembled in a specific order

Container stairs as a modular structure can be freely configured (within the scope specified by the manufacturer) depending on the needs. The setting of individual configurations should be in accordance with the operation and maintenance documentation. Basic configurations of container stairs are presented below.

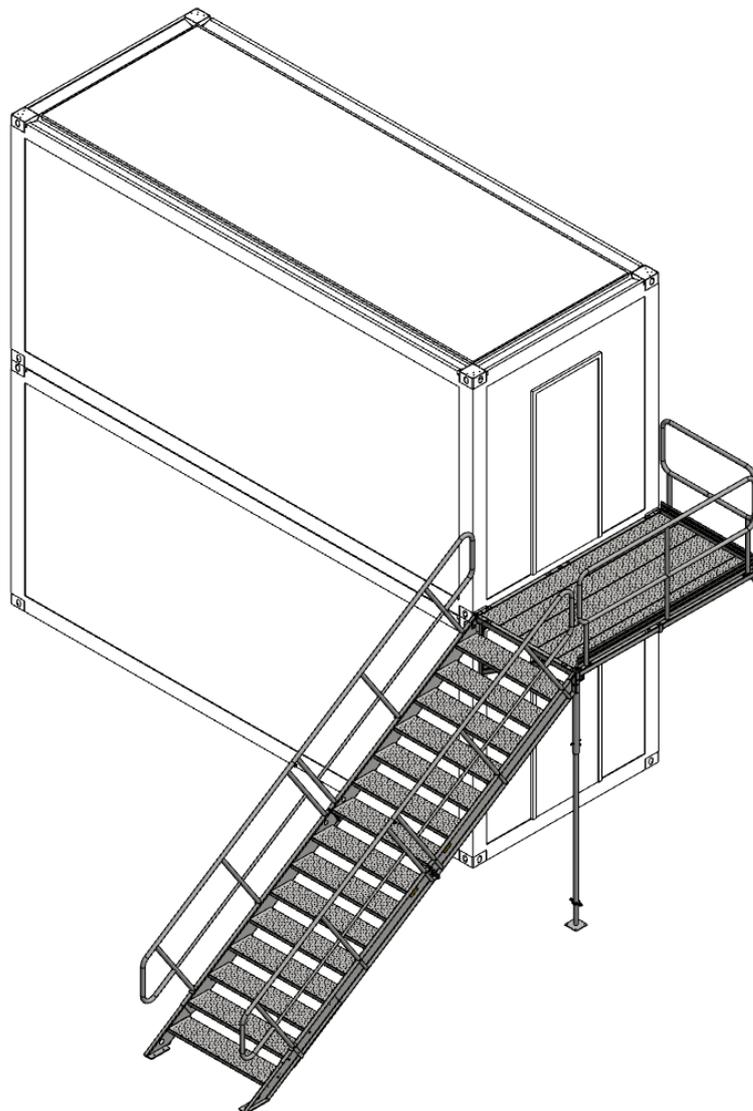


Fig. 1 Configuration 1 (variant S2.1)

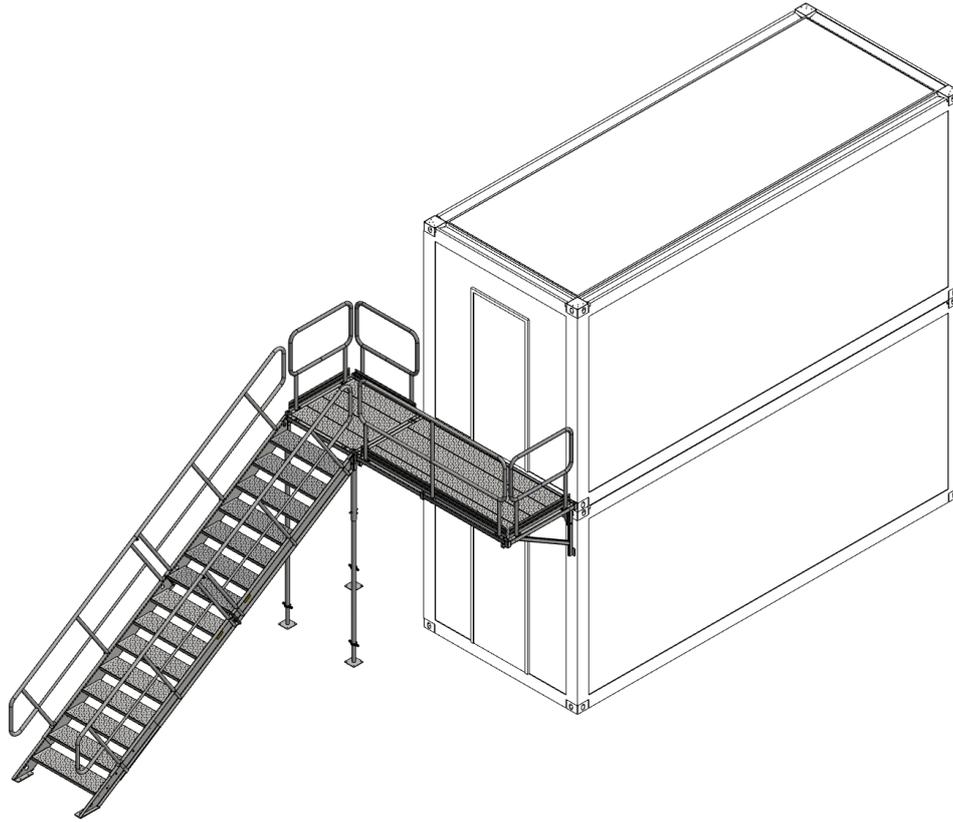


Fig. 2 Configuration 2 (variant S2.2)

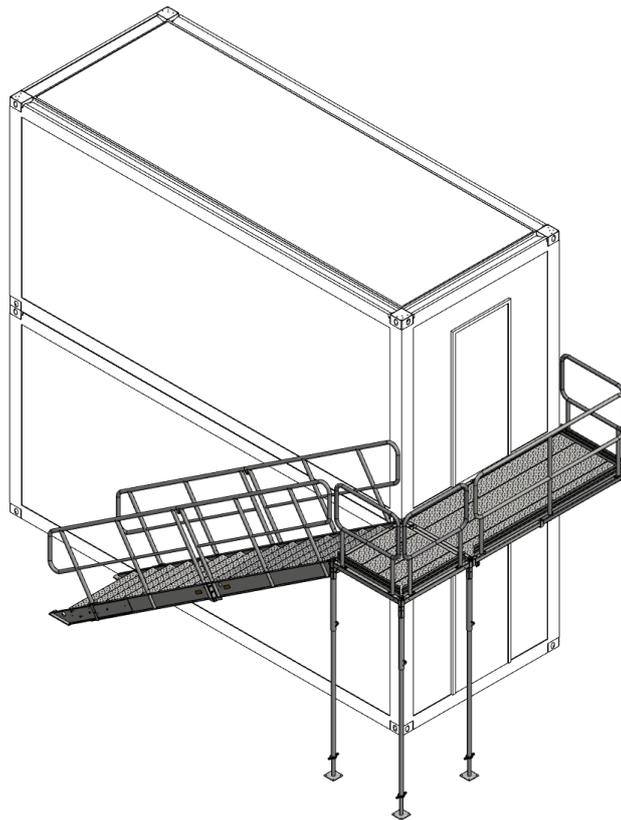


Fig. 3 Configuration 3 (variant S2.3)

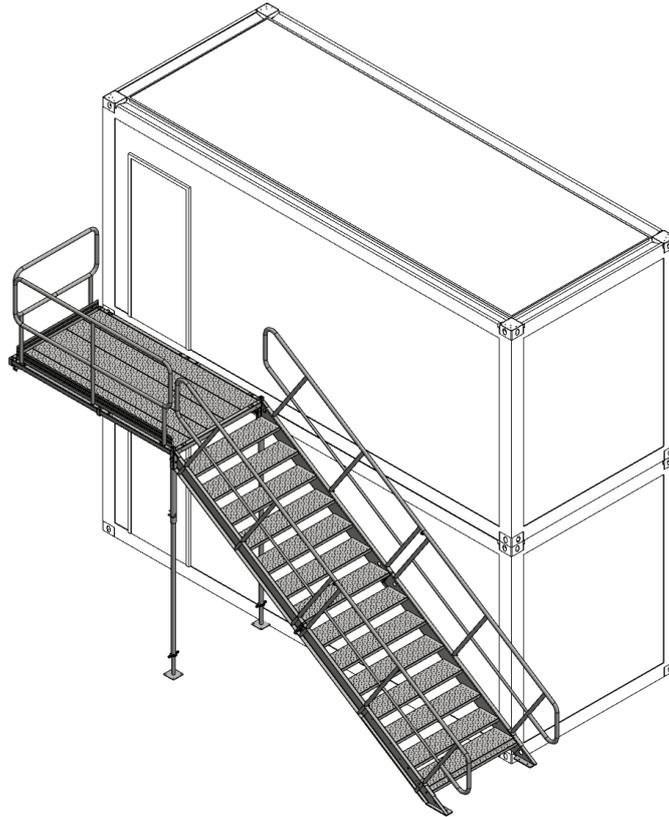


Fig. 4 Configuration 4 (variant S2.4)

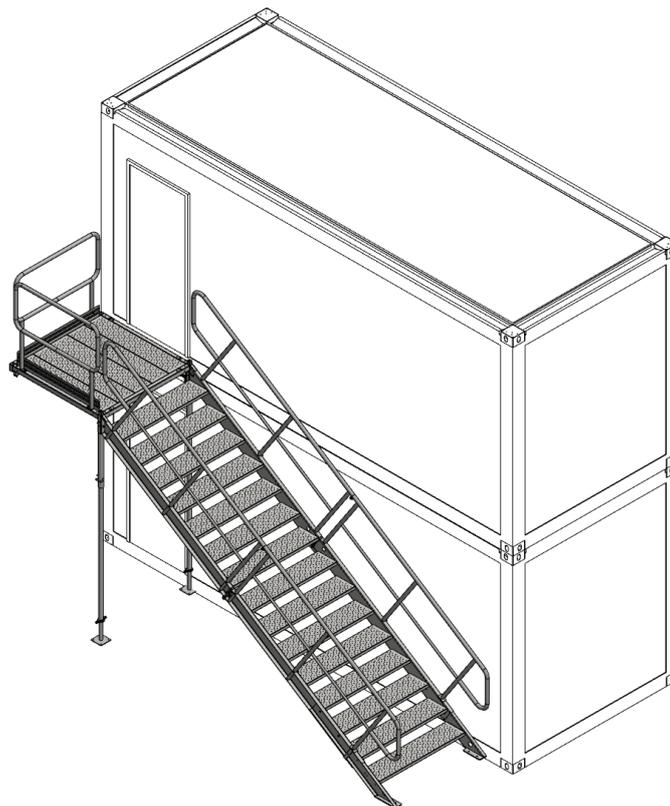


Fig. 5 Configuration 4a (variant S2.4a)

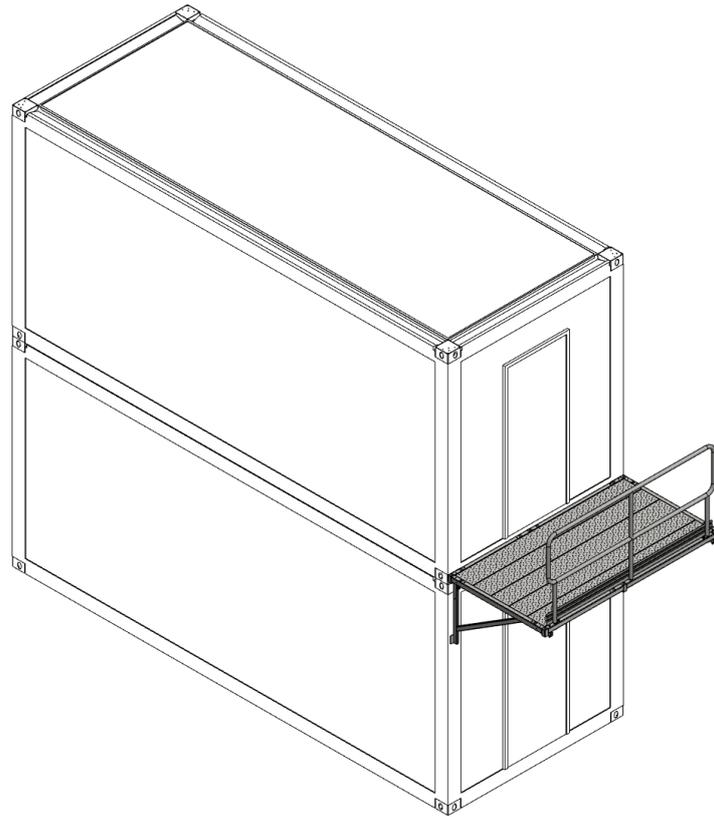


Fig. 6 Configuration 5 (variant S2.5)

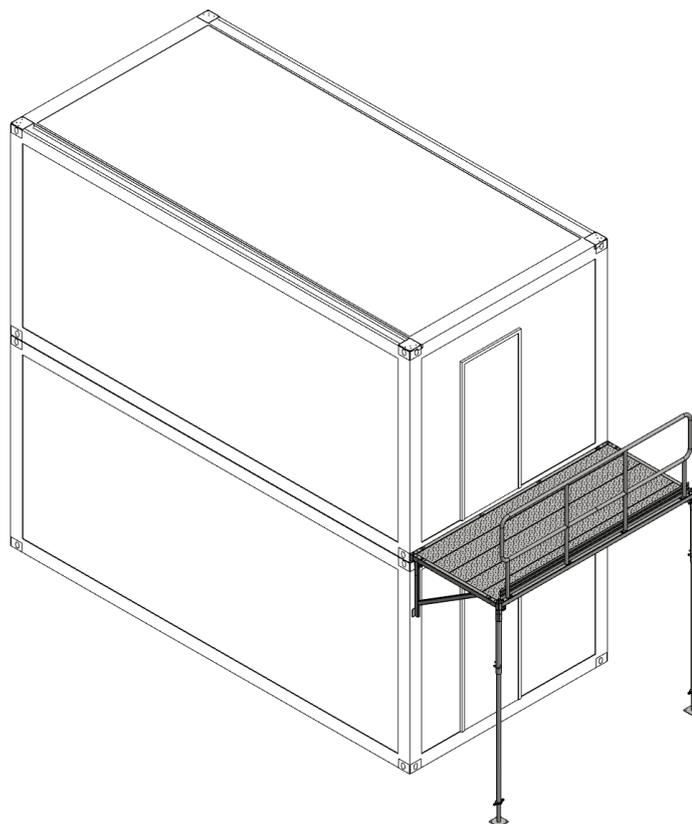


Fig. 7 Configuration 5b (variant S2.5b)

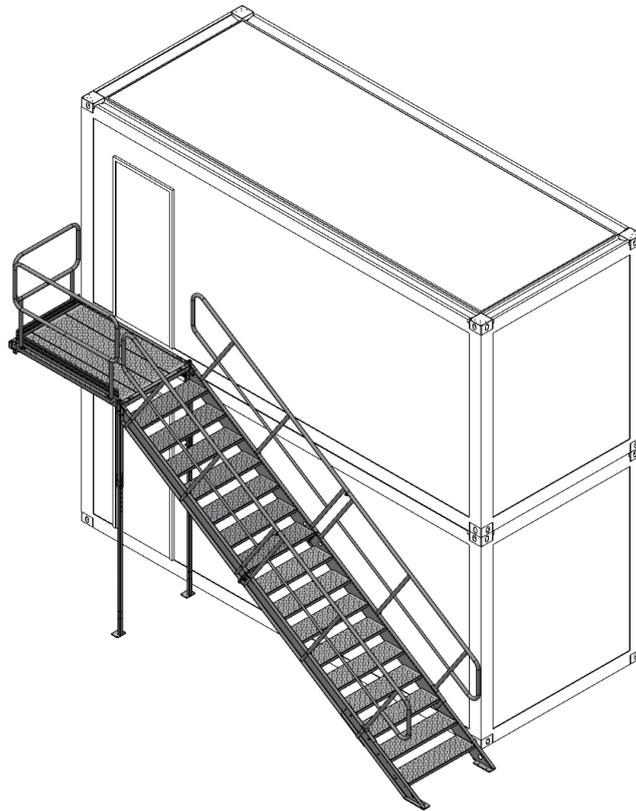


Fig. 8 Configuration 6 (variant S3.6)

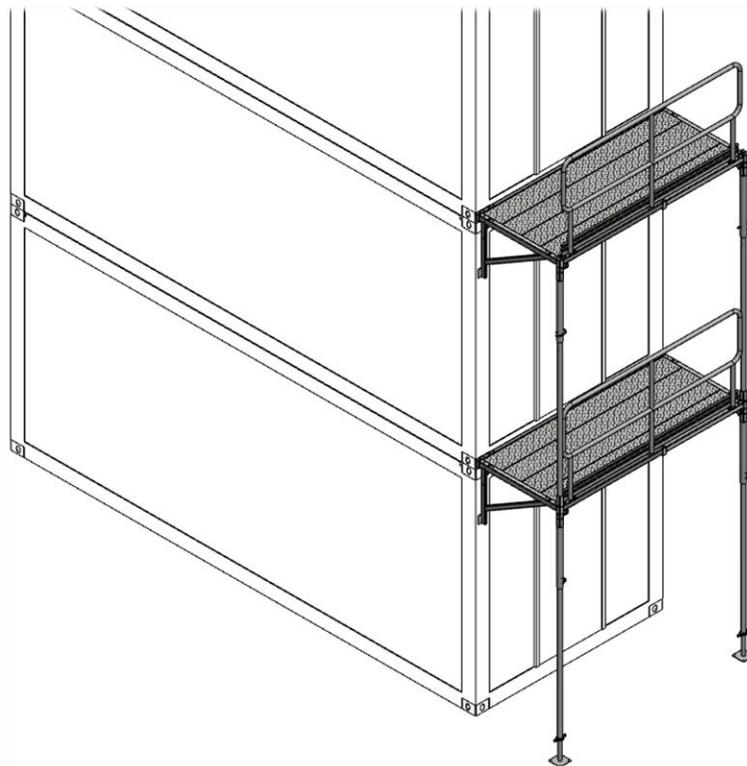


Fig. 9 Configuration 7 (variant S2.7)

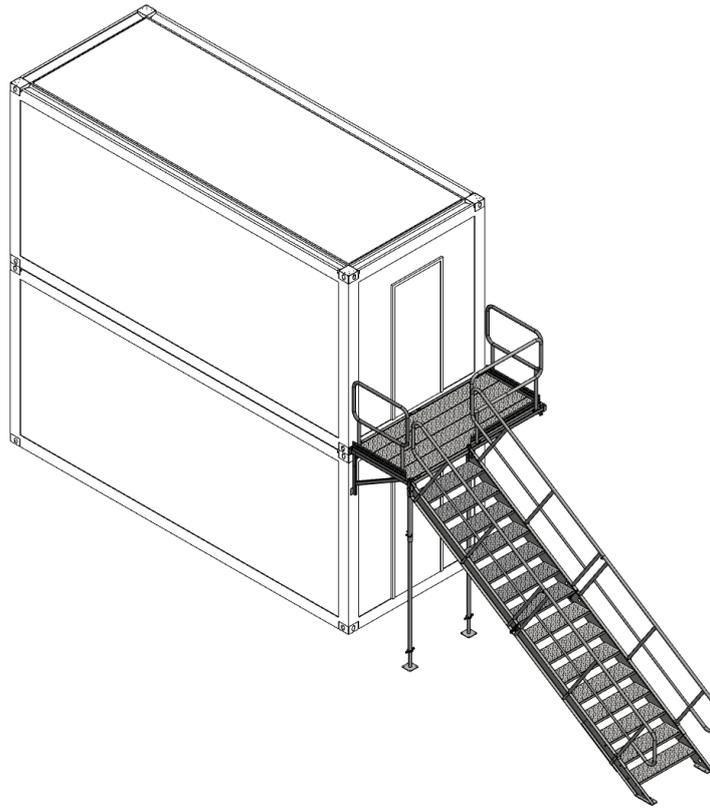


Fig. 10 Configuration 8 (variant S2.8)

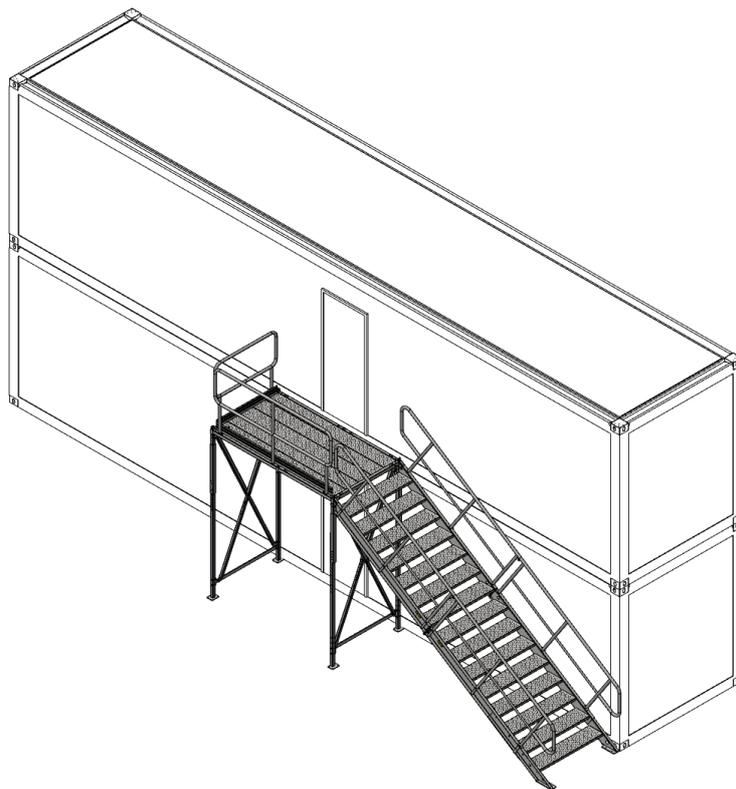


Fig. 11 Configuration 10 (variant S2.10)

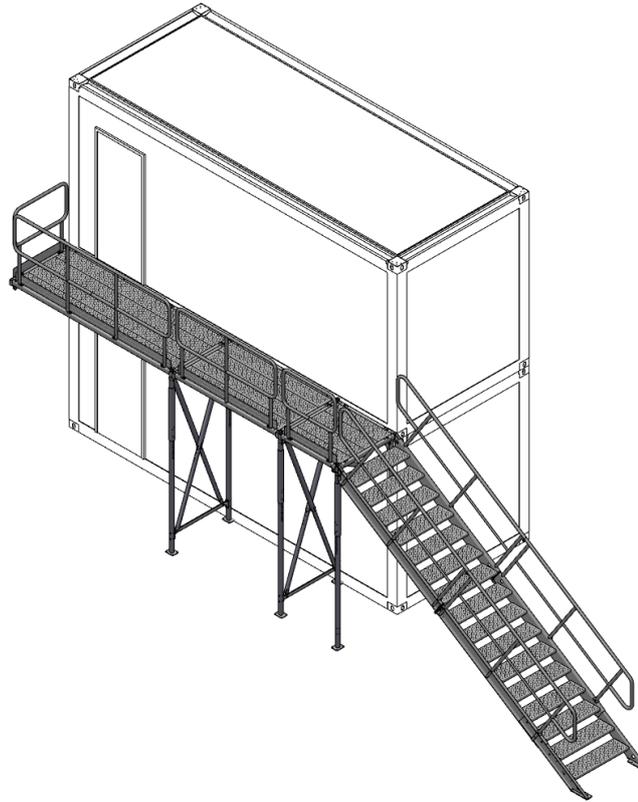


Fig. 12 Configuration 12 (variant S2.12)

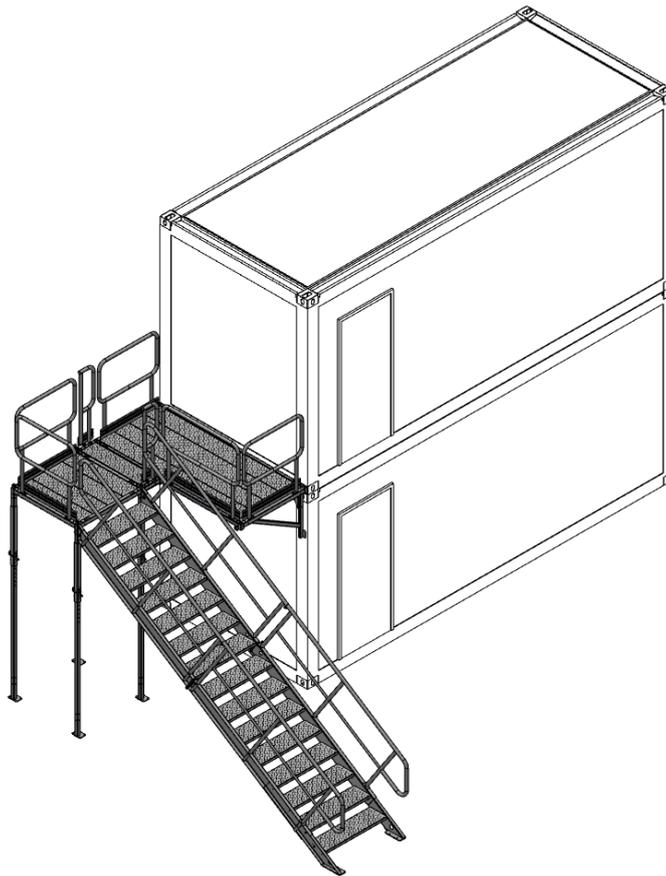


Fig. 13 Configuration 13 (variant S2.13)

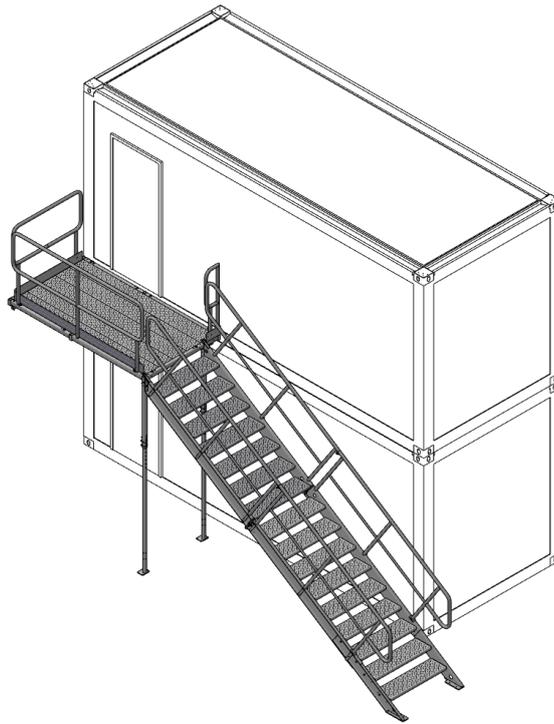


Fig. 14 Configuration 14 (variant S2.14)

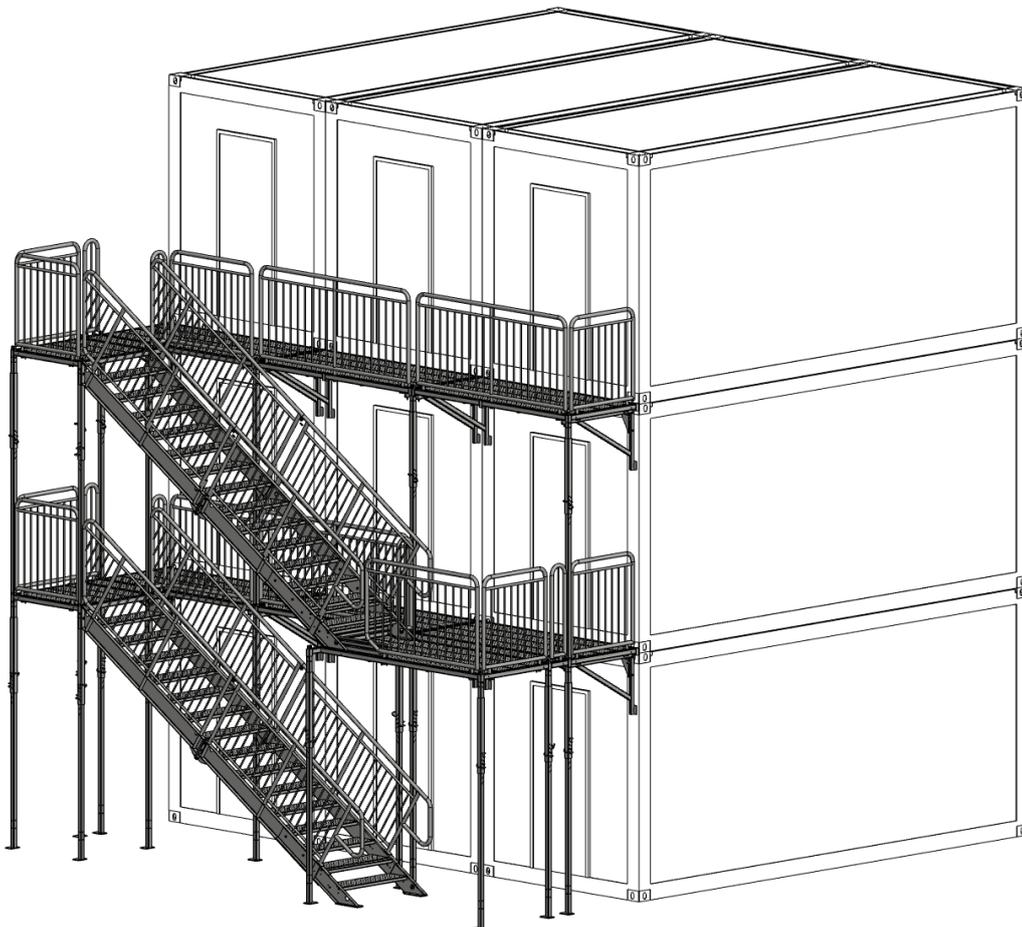
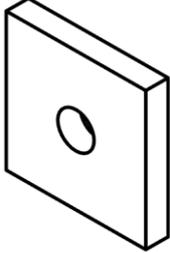
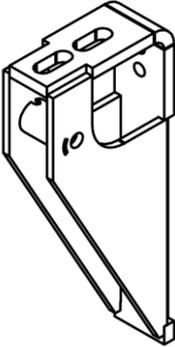
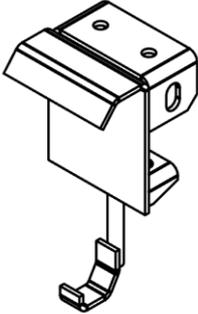
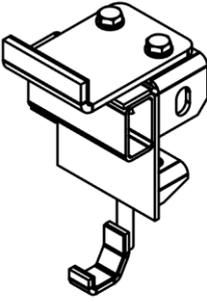
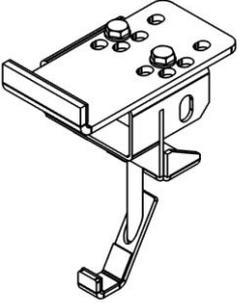
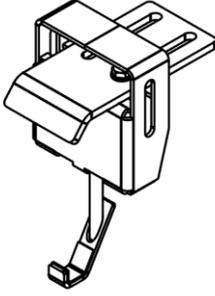


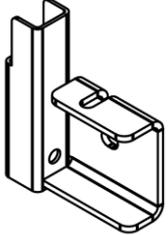
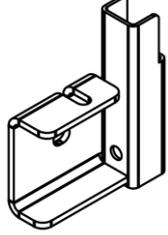
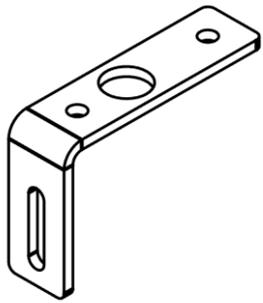
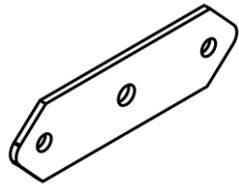
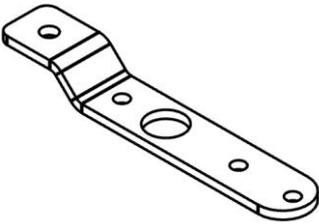
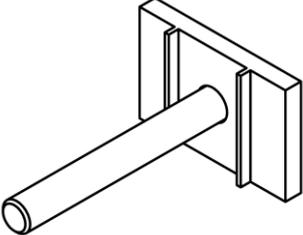
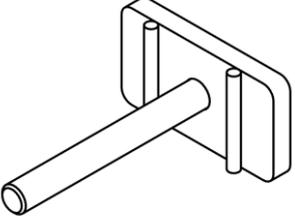
Fig. 15 Configuration 15 (variant S2.15)

2. Components of the container stair system

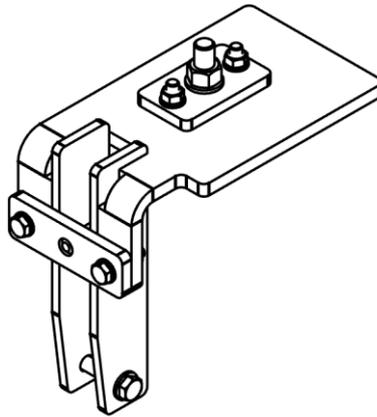
The list of components in table 1 presents the components of the container stair system, their quantity depending on the configuration, and the type of the system ordered by the customer (to be selected from the ID, component description columns).

Tab 1. Table 1 Components of the container stair system.

<p>SK5-D1 (M-Z-P-K-14-ZN-Z)</p>  <p>Mass: 0,15 kg Dimensions: 50x50x8</p>	<p>SK5-L1 (P-SK5-LP)</p>  <p>Mass: 2,78 kg Dimensions: 1100x1100x80</p>
<p>SK5-L2 (P-SK5-LP2)</p>  <p>Mass: 1,08 kg Dimensions: 220x100x100</p>	<p>SK5-L3 (P-SK5-LP3)</p>  <p>Mass: 1,97 kg Dimensions: 225x100x120</p>
<p>SK5-L12</p>  <p>Mass: 1,78 kg Dimensions: 233x175x108</p>	<p>SK5-L16</p>  <p>Mass: 2,38 kg Dimensions: 257x192x90</p>

<p>SK5-L5</p>  <p>Mass: 1,29 kg Dimensions: 140x165x46</p>	<p>SK5-L6</p>  <p>Mass: 1,29 kg Dimensions: 140x165x46</p>
<p>SK5-L17</p>  <p>Mass: 0,76 kg Dimensions: 1100x1100x80</p>	<p>SK6-L1 (P-SK6-LP5)</p>  <p>Mass: 0,36 kg Dimensions: 189x57x5</p>
<p>SK6-L3</p>  <p>Mass: 0,1 kg Dimensions: 1100x1100x80</p>	<p>P-SK-ZW</p>  <p>Mass: 0,40 kg Dimensions: 119x75x50</p>
<p>SK5-ZW2</p>  <p>Mass: 0,53 kg Dimensions: 129x90x50</p>	

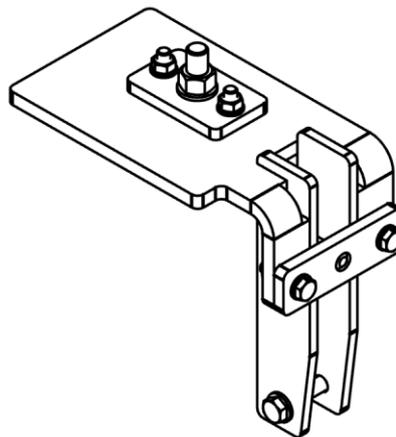
SK5-KWP



Mass: 7,2 kg

Dimensions: 255x233x150

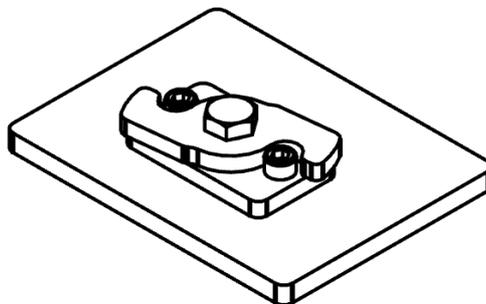
SK5-KWL



Mass: 7,2 kg

Dimensions: 255x233x150

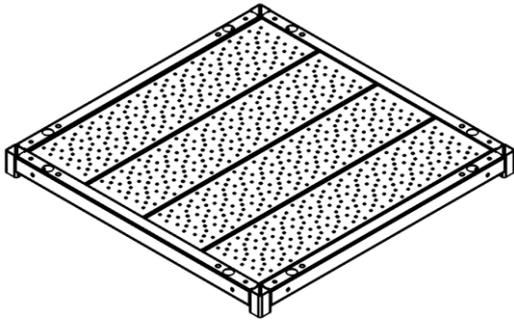
SK5-KW



Mass: 4,2 kg

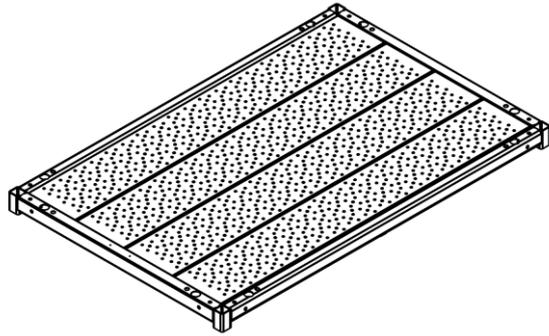
Dimensions: 197x150x50

SK5-P1 (P-SK5-PD1.1)



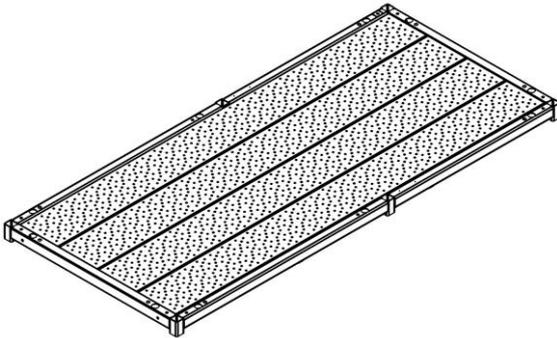
Mass: 34,91 kg
Dimensions: 1100x1100x80

SK5-P2 (P-SK5-PD1.69)



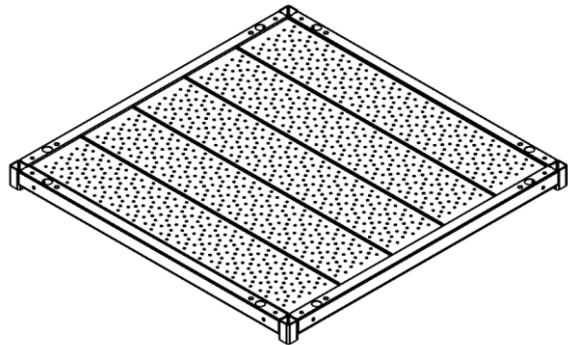
Mass: 57,57 kg
Dimensions: 1690x1100x80

SK5-P3 (P-SK5-PD2.4)



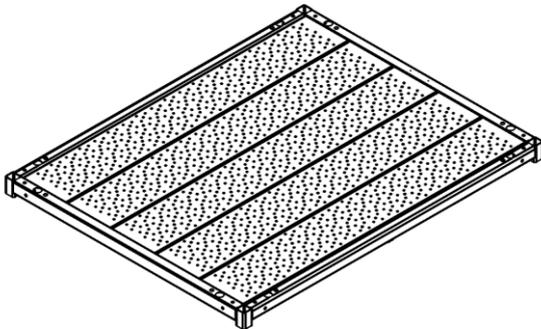
Mass: 83,00 kg
Dimensions: 2440x1100x80

SK5-P4 (P-SK5-PD1.2)



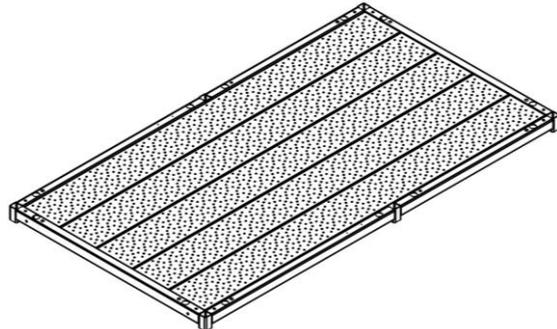
Mass: 49,85 kg
Dimensions: 1350x1350x80

SK5-P5 (P-SK5-PD1.69x1.2)



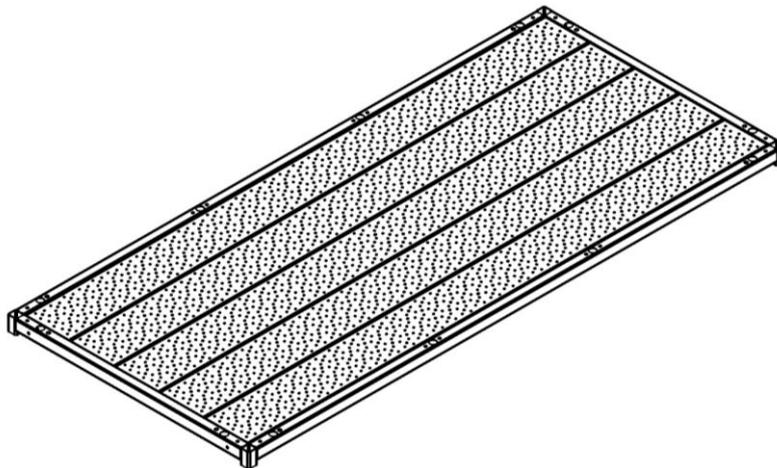
Mass: 68,08 kg
Dimensions: 1690x1350x80

SK5-P6 (P-SK5-PD2.4-1.2)



Mass: 98,30 kg
Dimensions: 2440x1350x80

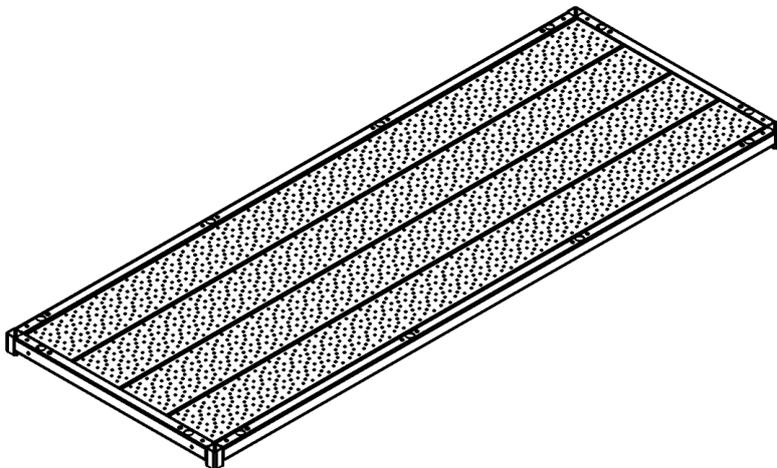
SK5-P7



Mass: 121,43 kg

Dimensions: 2989x1350x80

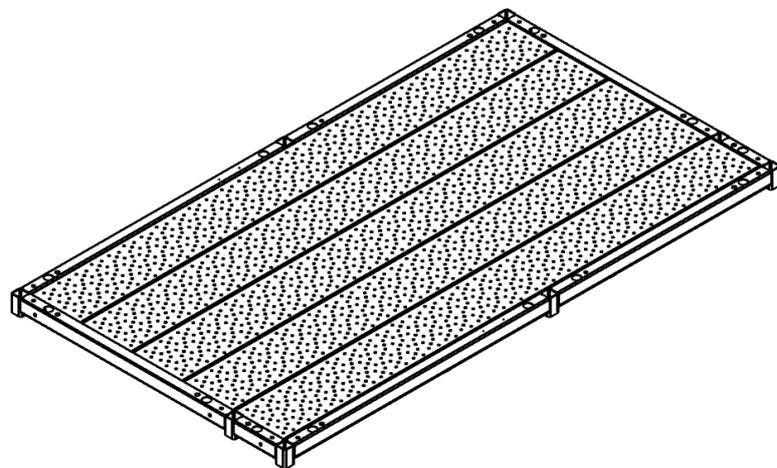
SK5-P8



Mass: 102,87 kg

Dimensions: 3000x1100x80

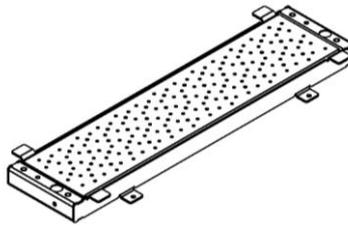
SK5-P9



Mass: 99,20 kg

Dimensions: 2440x1350x80

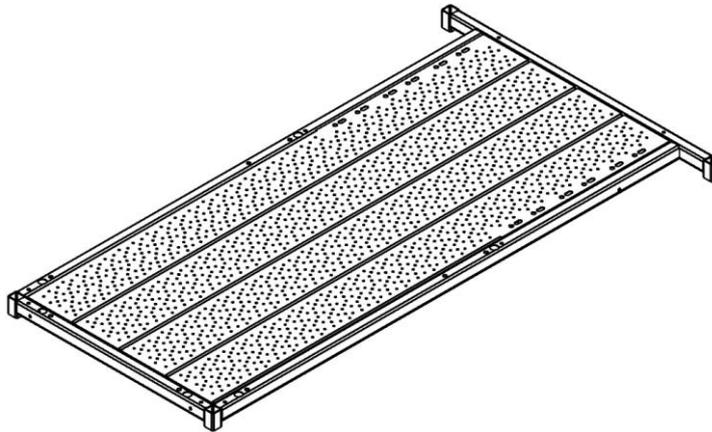
SK6-P12



Mass: 15,96 kg

Dimensions: 1100x340x60

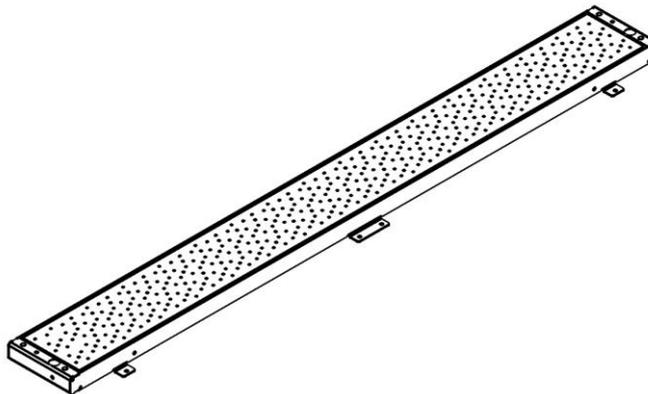
SK6-P13



Mass: 115,39 kg

Dimensions: 2545x1450x80

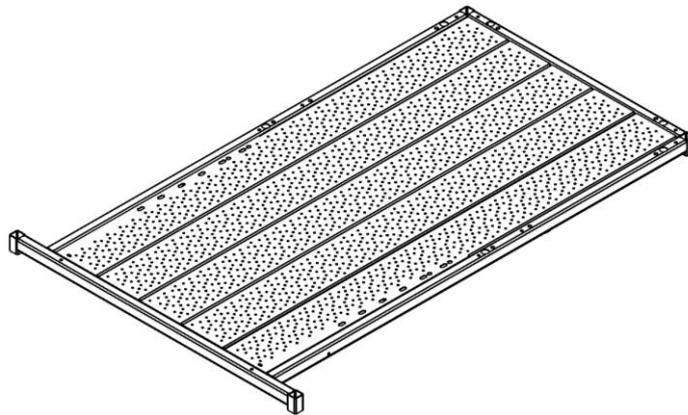
SK6-P14



Mass: 33,8 kg

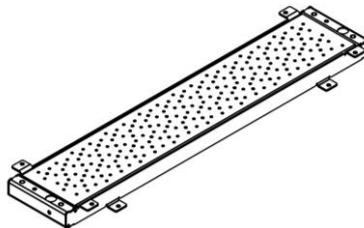
Dimensions: 2440x340x60

SK6-P15



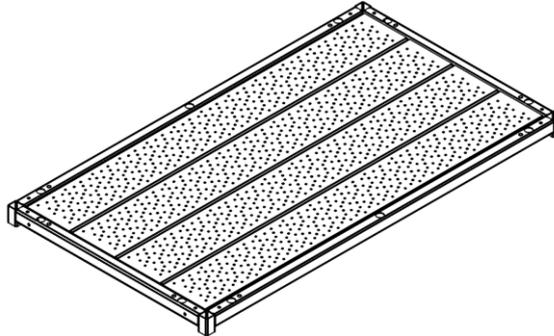
Mass: 137,5 kg
Dimensions: 2545x1700x80

SK6-P16



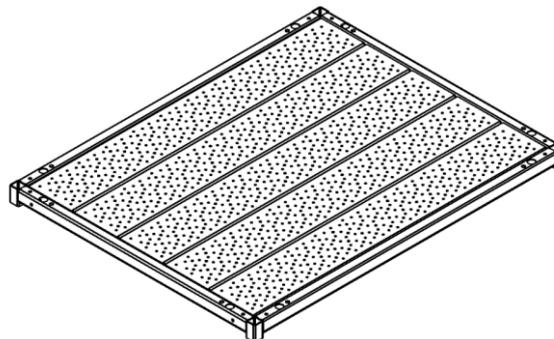
Mass: 19,1 kg
Dimensions: 1350x340x60

SK6-P17



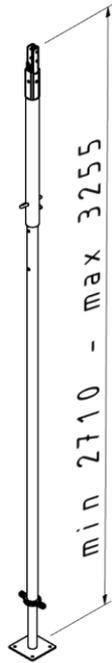
Mass: 87,1 kg
Dimensions: 1961x1100x80

SK6-P18



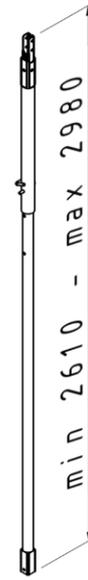
Mass: 91,9 kg
Dimensions: 1711x1350x80

SK5-PR1 (P-SK5-PR)



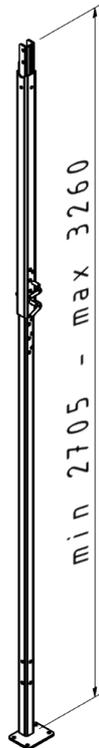
Mass: 20,09 kg
Dimensions: 3255x150x150

SK5-PR2 (P-SK5-PR2)



Mass: 14,61 kg
Dimensions: 2980x50x50

SK6-PR1 (P-SK6-PR2)



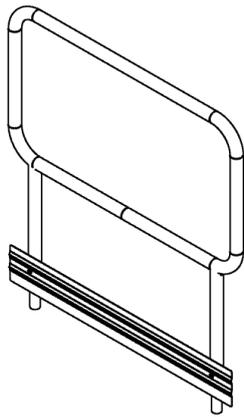
Mass: 23,90 kg
Dimensions: 3260x130x100

SK6-PR2



Mass: 22,62 kg
Dimensions: 3125x50x50

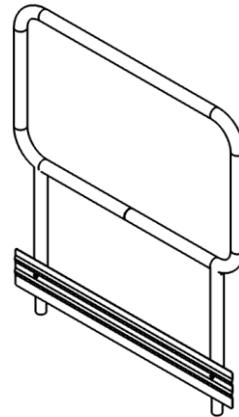
SK5-B1 (P-SK5-BP1.04)



Mass: 11,06 kg

Dimensions: 1170x1040x50

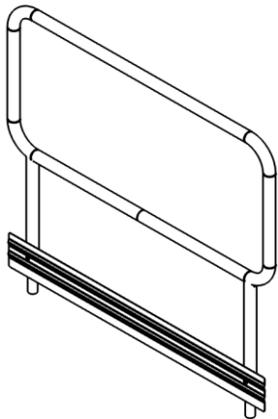
SK5-B2 (P-SK5-BP1.1)



Mass: 10,70 kg

Dimensions: 1170x1000x50

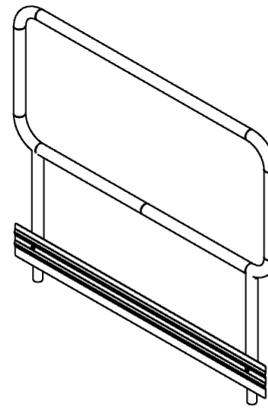
SK5-B3 (P-SK5-BP1.2)



Mass: 12,36 kg

Dimensions: 1250x1170x50

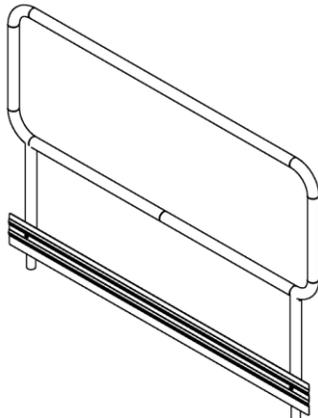
SK5-B4 (P-SK5-BP1.28)



Mass: 12,55 kg

Dimensions: 1281x1170x50

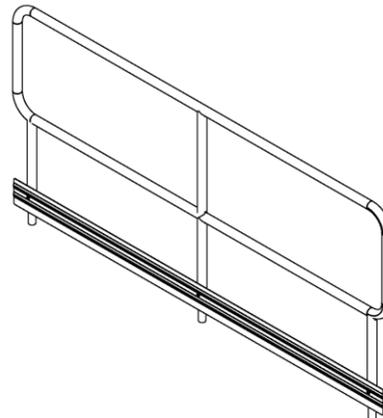
SK5-B5 (P-SK5-BP1.69)



Mass: 14,47 kg

Dimensions: 1590x1170x50

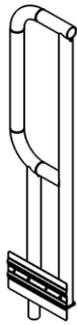
SK5-B6 (P-SK5-BP2.4)



Mass: 21,61 kg

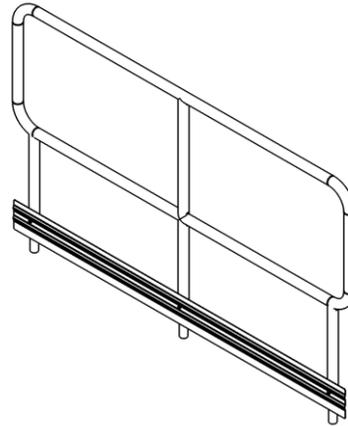
Dimensions: 2340x1170x50

SK5-B14 (P-SK5-BP-0.25)



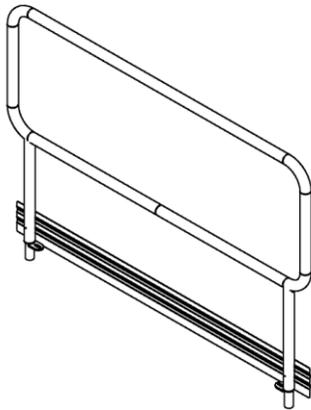
Mass: 7,05 kg
Dimensions: 1170x251x50

SK5-B16



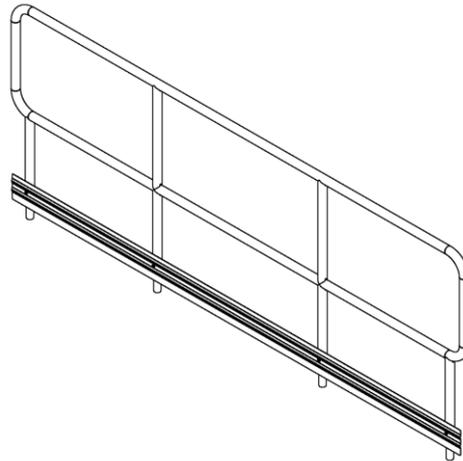
Mass: 18,6
Dimensions: 1861x1170x50

SK5-B17



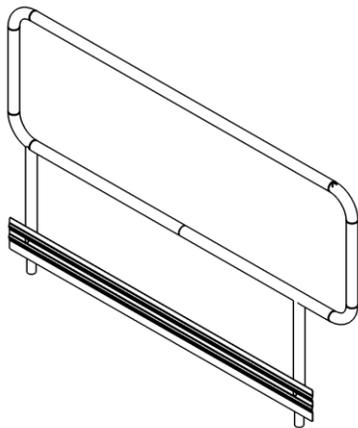
Mass: 14,6 kg
Dimensions: 1609x1170x50

SK5-B20



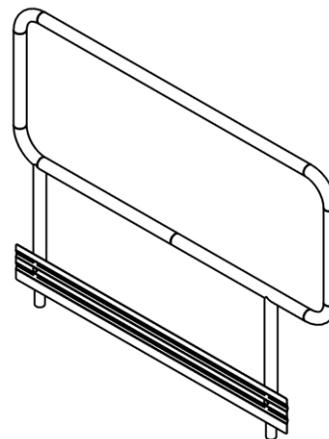
Mass: 27,6 kg
Dimensions: 2892x1170x50

SK6-B11



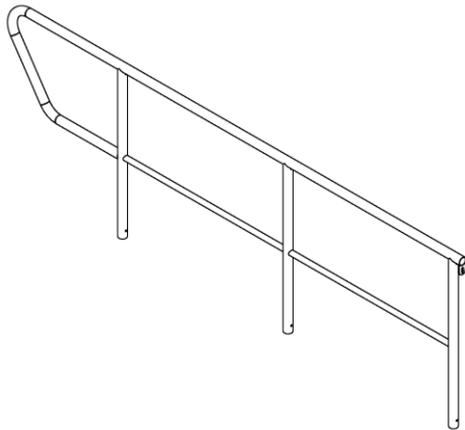
Mass: 16,55 kg
Dimensions: 1720x1170x50

SK6-B12



Mass: 10,73
Dimensions: 1460x1170x50

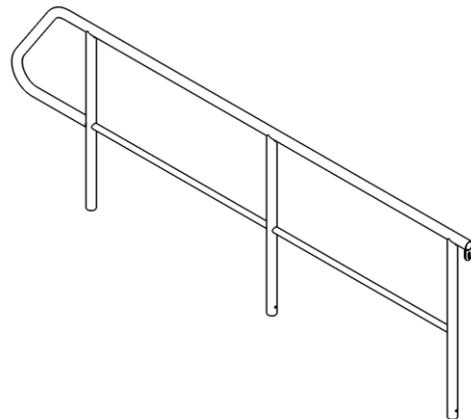
SK5-BS1 (P-SK5-BS-1)



Mass: 17,11

Dimensions: 2755x921x42

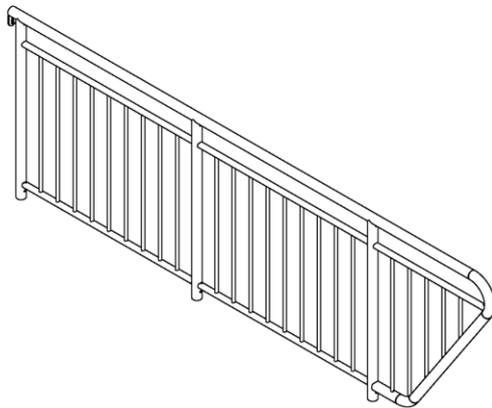
SK5-BS2 (P-SK5-BS-2)



Mass: 16,29 kg

Dimensions: 2611x921x42

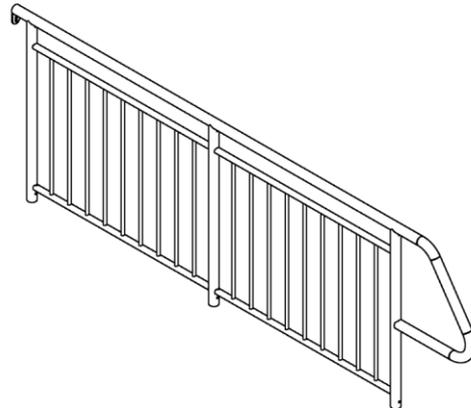
SK5-BS3 (P-SK5-BS-B-1)



Mass: 25,76 kg

Dimensions: 2755x921x42

SK5-BS4 (P-SK5-BS-B-2)



Mass: 22,94 kg

Dimensions: 2612x921x42

SK6-B1 (P-SK6-BP1.1-B)



Mass: 12,33 kg

Dimensions: 1000x1175x42

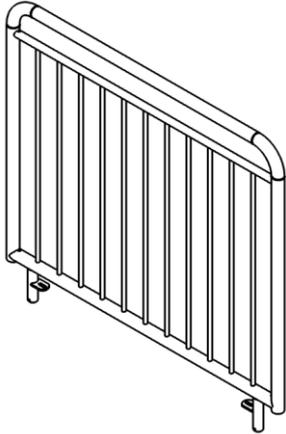
SK6-B2 (P-SK6-BP1.04-B)



Mass: 14,85 kg

Dimensions: 1042x1175x42

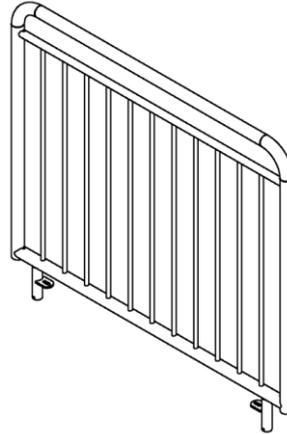
SK6-B3 (P-SK6-BP1.25-B)



Mass: 16,75 kg

Dimensions: 1238x1175x42

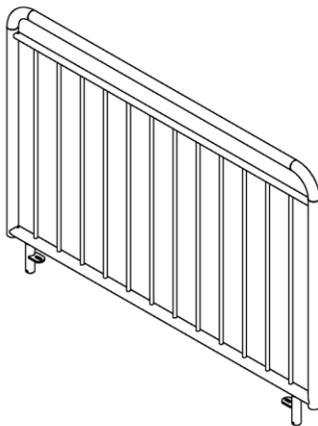
SK6-B4 (P-SK6-BP1.28-B)



Mass: 16,95 kg

Dimensions: 1281x1175x42

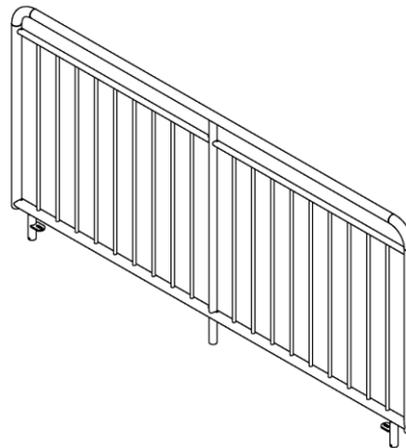
SK6-B5 (P-SK6-BP1.69-B)



Mass: 19,24 kg

Dimensions: 1590x1175x42

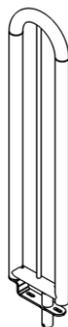
SK6-B6 (P-SK6-BP2.4-B)



Mass: 28,71 kg

Dimensions: 2340x1175x42

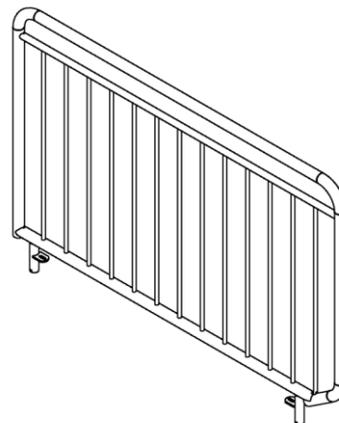
SK6-B10 (SK6-BB4)



Mass: 7,14 kg

Dimensions: 1175x242x42

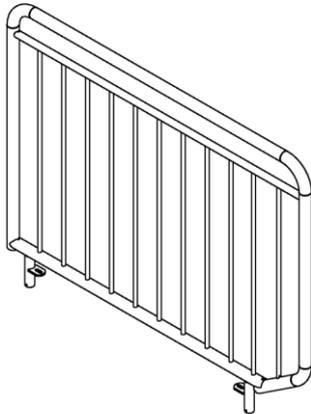
SK6-B13



Mass: 19,63 kg

Dimensions: 1700x1175x42

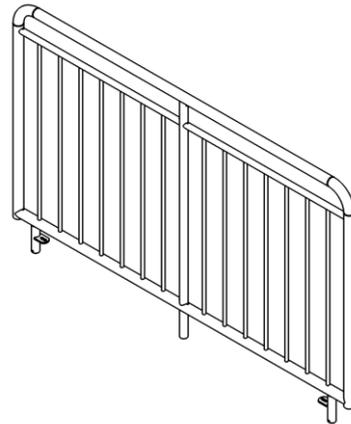
SK6-B14



Mass: 18,1

Dimensions: 1450x1175x42

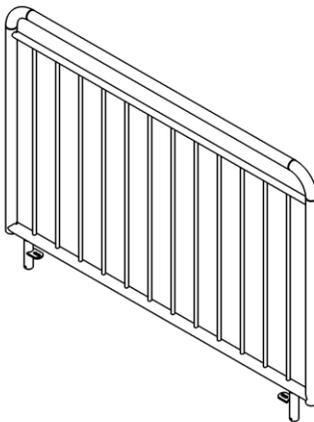
SK6-B15



Mass: 23, 9 kg

Dimensions: 1861x1175x42

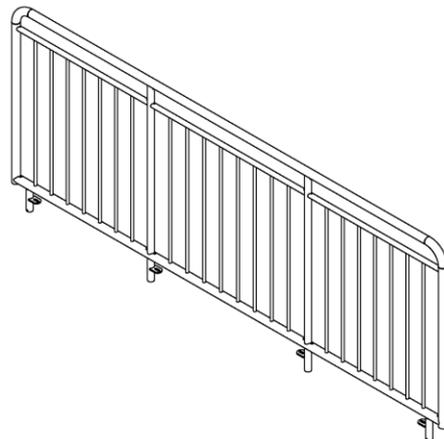
SK6-B16



Mass: 19, 3 kg

Dimensions: 1609x1175x42

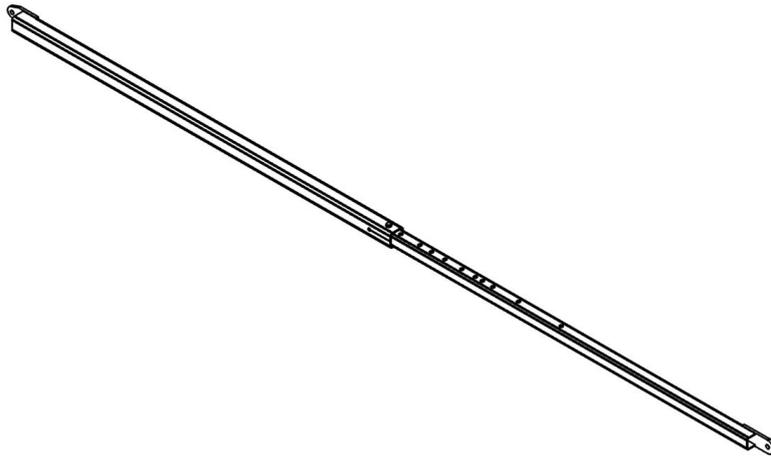
SK6-B19



Mass: 36,1 kg

Dimensions: 2894x1175x42

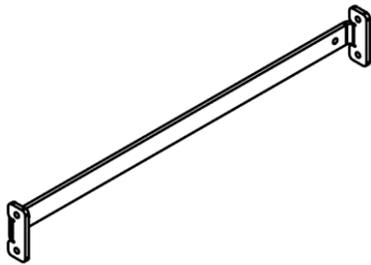
SK6-X1 (P-SK6-X1)



Mass: 14,8

Dimensions: 2999x70x65

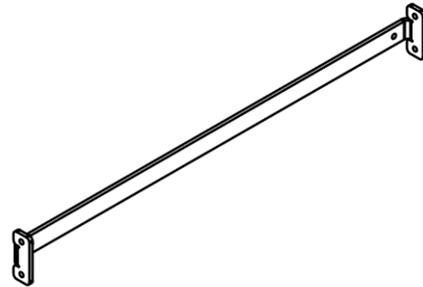
SK6-O1 (P-SK6-O1)



Mass: 4,8

Dimensions: 1000x130x40

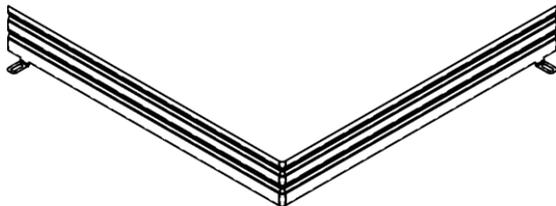
SK6-O2 (P-SK6-O2)



Mass: 5,8

Dimensions: 1250x130x40

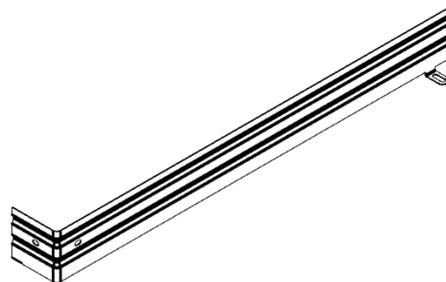
SK6-K01



Mass: 4,54

Dimensions: 10450x1045x150

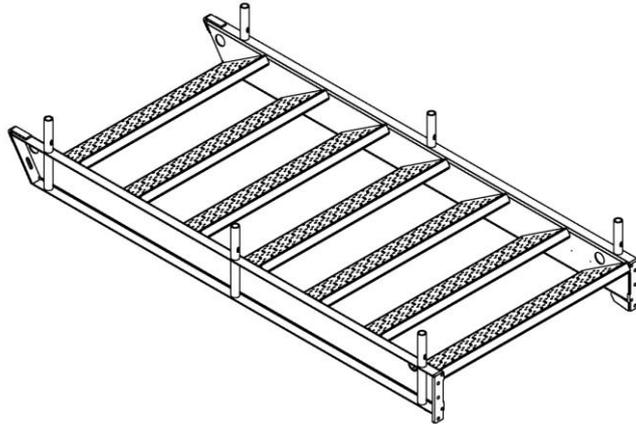
SK6-K03/SK6-K04



Mass: 3,16

Dimensions: 1242x196x150

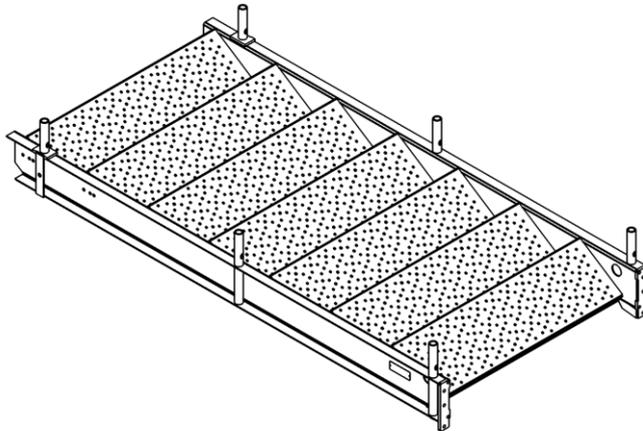
SK5-S1 (P-SK5-SB-FG1.1)



Mass: 87,31 kg

Dimensions: 2304x1100x330

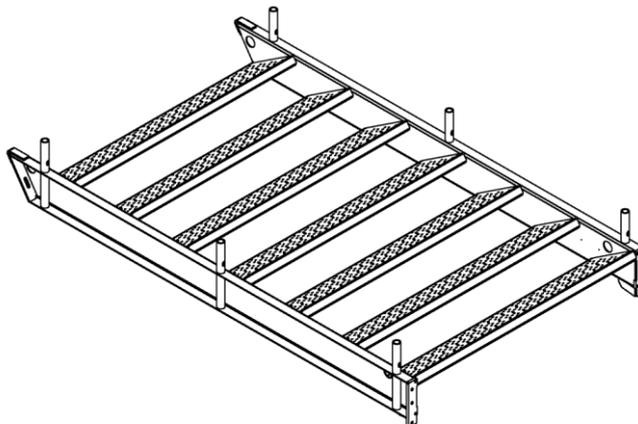
SK5-S2 (P-SK5-SB-FD1.1)



Mass: 86,88 kg

Dimensions: 2312x1108x330

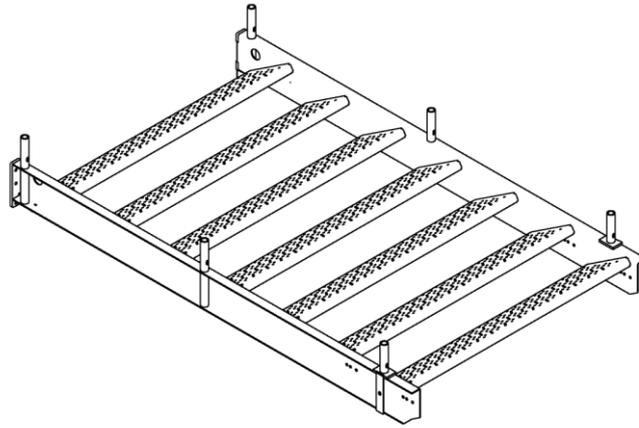
SK5-S3 (P-SK5-SB-FG1.2)



Mass: 97,22 kg

Dimensions: 2302x1350x330

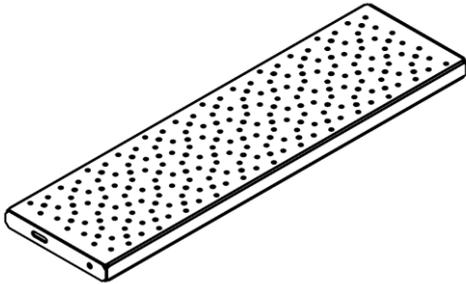
SK5-S4 (P-SK5-SB-FD1.2)



Mass: 96,79 kg

Dimensions: 2312x1358x330

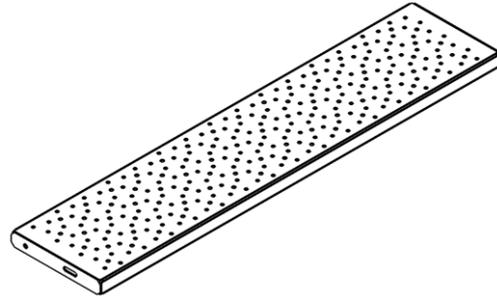
SK5-ST1 (P-SK5-SB-E01)



Mass: 6,47 kg

Dimensions: 1008x280x40

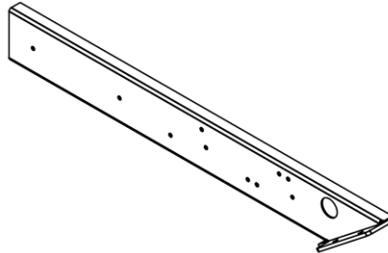
SK5-ST2 (P-SK5-SB-E01-1.2)



Mass: 7,88 kg

Dimensions: 1258x280x40

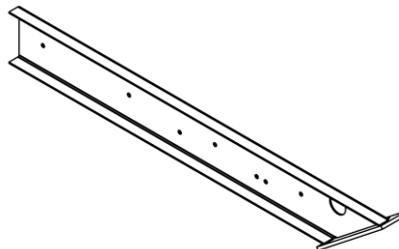
SK5-Z1 (P-SK5-SB-FR1.1/B)



Mass: 11,50 kg

Dimensions: 1405x168x100

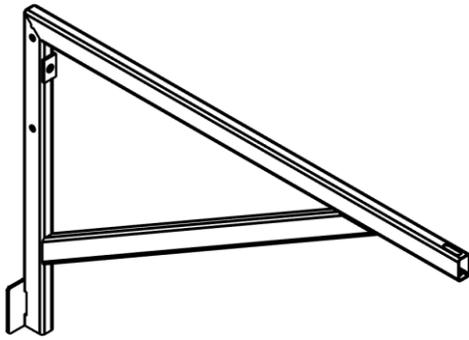
SK5-Z2 (P-SK5-SB-FR1.1/A)



Mass: 11,50 kg

Dimensions: 1405x168x100

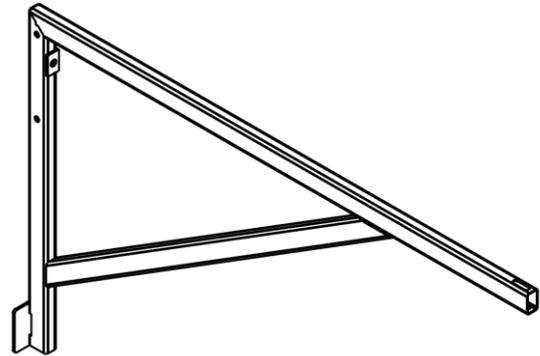
SK5-W1 (P-SK5-WT1.1)



Mass: 9,15 kg

Dimensions: 1105x695x110

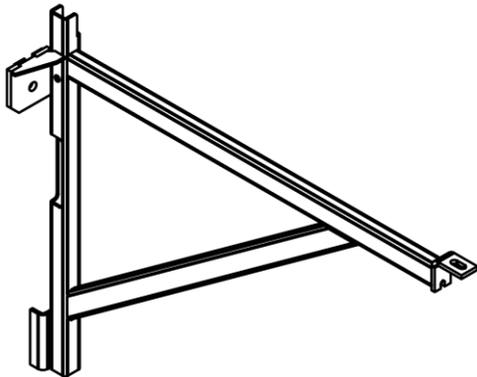
SK5-W2 (P-SK5-WT1.2)



Mass: 10,74 kg

Dimensions: 1355x795x110

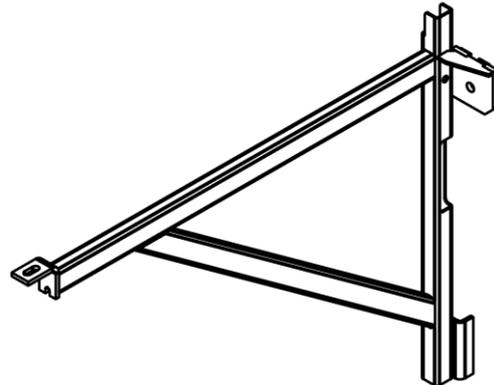
SK5-W3 (P-SK5-WT-1.1-ML)



Mass: 9,81 kg

Dimensions: 1041x720x140

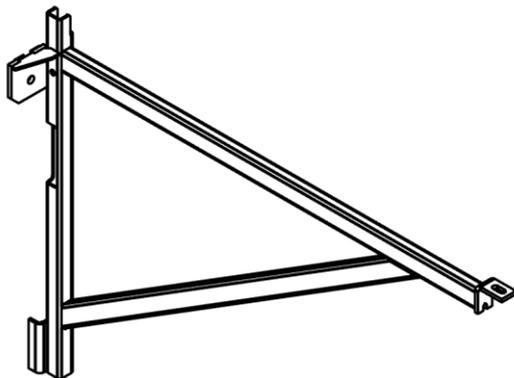
SK5-W4 (P-SK5-WT-1.1-MP)



Mass: 9,82 kg

Dimensions: 1041x720x140

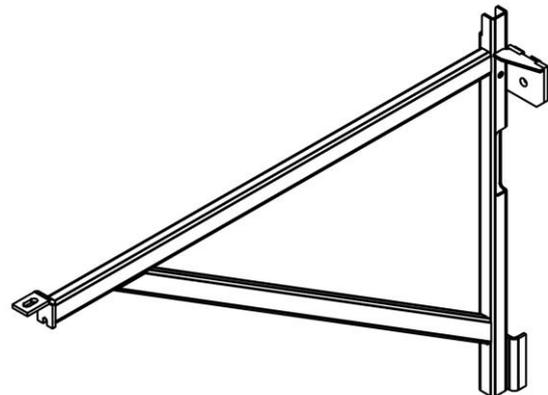
SK5-W5 (P-SK5-WT-1.2-ML)



Mass: 12,71 kg

Dimensions: 1291x820x140

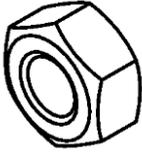
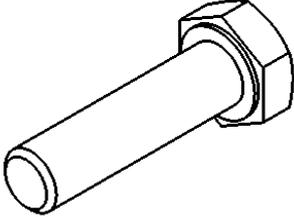
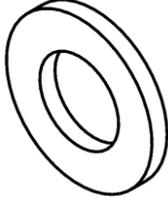
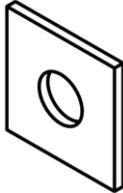
SK5-W6 (P-SK5-WT-1.2-MP)



Mass: 12,71 kg

Dimensions: 1291x820x140

3. Graphical list of SK5 system fasteners

 <p>M14 M12 M10 M6</p>	 <p>M10x140 M12x50 M10x130 M8x40 M10x120 M6x60 M10x90 M10x60 M10x30</p>	 <p>W14 W12 W10 W8</p>
 <p>EW 12</p>	 <p>WS12 WS8</p>	 <p>SW 14</p>

4. List of SK5 system components

The list of components in table 1 presents the components of the container stair system, their quantity depending on the configuration, and the type of the system ordered by the customer (to be selected from the ID, component description columns).

ID	Former ID	Component description	Configurations															
			1	2	3	4	4a	5	5b	6	7	8	10	12	13	14	15	
SK5-S1	P-SK5-SB-FG1.1	Stair module 1100 górny	1	1	1	1	1	0	0	1	0	1	1	1	1	1	0	2
SK5-S3	P-SK5-SB-FG1.2	Stair module 1200 górny	1	1	1	1	1	0	0	1	0	1	1	1	1	1	0	2
SK5-S2	P-SK5-SB-FD1.1	Stair module 1100 dolny	1	1	1	1	1	0	0	1	0	1	1	1	1	1	0	2
SK5-S4	P-SK5-SB-FD1.2	Stair module 1200 dolny	1	1	1	1	1	0	0	1	0	1	1	1	1	1	0	2
SK5-Z1	P-SK5-SB-FR1.1/B	Left stair foot	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	2
SK5-Z2	P-SK5-SB-FR1.1/A	Right stair foot	1	1	1	1	1	0	0	1	0	1	1	1	1	1	1	2
SK5-P1	P-SK5-PD1.1	Platform 1100x1100	0	1	1	0	1	0	0	0	0	0	0	1	1	0	0	2
SK5-P4	P-SK5-PD1.2	Platform 1200x1200	0	1	1	0	1	0	0	0	0	0	0	1	1	0	0	2
SK5-P3	P-SK5-PD2.4	Platform 2440x1100	1	1	1	1	0	1	0	0	2	1	1	0	1	0	0	6
SK5-P6	P-SK5-PD2.4-1.2	Platform 2440x1200	1	1	1	1	0	1	0	0	2	1	1	0	1	0	0	6
SK5-P2	P-SK5-PD1.69	Platform 1690x1100	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
SK5-P5	P-SK5-PD1.69x1.2	Platform 1690x1200	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
SK5-P7	-	Platform 3000x1200	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0
SK5-P8	-	Platform 3000x1100	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0
SK5-P9	-	Platform 2440x1200 with offset railing	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
SK6-P12	-	Platform filling 1100	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
SK6-P16	-	Platform filling 1200	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2
SK6-P14	-	Platform filling 2P	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SK6-P13	-	Platform 2P 1100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SK6-P15	-	Platform 2P 1200	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SK6-P17	-	Platform 1100x1961	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
SK6-P18	-	Platform 1350x1711	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
Wsporniki	SK5-W1	P-SK5-WT1.1	Platform support 1100	2	2	2	1	1	2	2	1	4	2	0	2	2	0	12
	SK5-L1	P-SK5-LP	LP1 Connector	1	1	1	1	1	1	1	1	2	1	0	2	1	0	6
	SK5-W3 SK5-W4	P-SK5-WT-1.1-ML	Left platform support 1100 for sea containers	1	1	1	1	1	1	1	1	2	1	0	1	1	0	6
		P-SK5-WT-1.1-MP	Right platform support 1100 for sea containers	1	1	1	1	1	1	1	1	2	1	0	1	1	0	6
	SK5-W2 SK5-L1	P-SK5-WT1.2	Platform support 1200	2	2	2	1	1	2	2	1	4	2	0	2	2	1	12
		P-SK5-LP	LP1 Connector	1	1	1	1	1	1	1	1	2	1	0	2	1	1	6
	SK5-W5 SK5-W6	P-SK5-WT-1.2-ML	Left platform support 1200 for sea containers	1	1	1			1	1		2	1	0	1	1		6
		P-SK5-WT-1.2-MP	Right platform support 1200 for sea containers	1	1	1	1	1	1	1	1	2	1	0	1	1	1	6
	SK5-L5	-	Shipping container console L	1	1	1	0	0	1	1	0	2	1	0	0	1	0	6
	SK5-L6	-	Shipping container console P	1	1	1	0	0	1	1	0	2	1	0	0	1	0	6
	SK5-PR1	P-SK5-PR	Post 01	1	1	1	0	0	2	0	0	0	1	0	0	2	0	0
	SK5-PR2	P-SK5-PR2	Post 02	1	1	1	0	0	2	0	0	0	1	0	0	2	0	0

ID	Former ID	Component description	Configurations														
			1	2	3	4	4a	5	5b	6	7	8	10	12	13	14	15
SK5-BS2	P-SK5-BS-2	Stair railing 02 Industrial															
SK5-BS4	P-SK5-BS-B-2	Stair railing 02 Safety	2	2	2	2	2	0	0	2	0	2	2	2	2	2	4
SK5-B2	P-SK5-BP1.1	Platform railing 1100x1100 Industrial															0
SK6-B1	P-SK6-BP1.1-B	Platform railing 1100x1100 Safety	1	3	3	1	2	0	0	1	0	2	1	2	4		9
SK5-B3	P-SK5-BP1.2	Platform railing 1200x1200 Industrial															1
SK6-B3	P-SK6-BP1.25-B	Platform railing 1200x1200 Safety															
SK5-B4	P-SK5-BP1.28	Platform railing 1280 Industrial															
SK6-B4	P-SK6-BP1.28-B	Platform railing 1280 Safety	0	0	0	0	0	0	0	0	0	1	0	0	1	0	2
SK5-B1	P-SK5-BP1.04	Platform railing 1040 Industrial															
SK6-B2	P-SK5-BP1.04-B	Platform railing 1040 Safety															
SK5-B6	P-SK5-BP2.4	Platform railing 2440 Industrial	1	1	1	1	0	1	0	0	1	0	1	0	0	1	3
SK6-B6	P-SK6-BP2.4-B	Platform railing 2440 Safety															
SK5-B5	P-SK5-BP1.69	Platform railing 1690 Industrial	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
SK6-B5	P-SK6-BP1.69-B	Platform railing 1690 Safety															
SK5-B20	P-SK5-BP3.0	Platform railing 3000 Industrial	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0
SK6-B19	-	Platform railing 3000 Safety															
SK5-B14	P-SK5-BP-0.25	Barierka 250 Industrial	0	0	0	0	0	0	0	0	0	0	0	0	2	1	6
SK6-B10	SK6-BB4	Barierka 250 Safety															
SK6-B11	-	Platform railing P13 Industrial															
SK6-B13	-	Platform railing P13 Safety	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
SK6-B12	-	Platform railing P15 Industrial															
SK6-B14	-	Barierka podestu P15 Safety															
SK5-B16	-	Platform railing 1100x1961 Industrial															
SK6-B15	-	Platform railing 1100x1961 Safety	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0
SK5-B17	-	Platform railing 1350x1711 Industrial															
SK6-B16	-	Platform railing 1350x1711 Safety															

ID	Former ID	Component description	Configurations															
			1	2	3	4	4a	5	5b	6	7	8	10	12	13	14	15	
P-SK5-ZS-PD2.4-Z	-	Platform 2.4 set of fasteners	1	1	1	1	0	1	1	1	2	1	1	2	1	1	0	
P-SK5-ZS-PD1.1-Z	-	Platform 1.1 set of fasteners	0	1	1	0	1	0	0	0	0	0	0	1	1	0	0	
P-SK5-ZS-SD-Z	-	Stair set of fasteners	1	1	1	1	1	0	0	1	0	1	1	1	1	1	0	
P-SK6-ZS-2P-Z	-	VAR 15 set of fasteners	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
P-SK6-ZS-SX-Z	-	VAR 10 diagonal brace set of fasteners	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	
P-SK6-ZS-UZ-Z	-	VAR 13 filing set of fasteners	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	
SK6-O1	P-SK6-O1	Horizontal brace 1	0	0	0	0	0	0	0	0	0	0	2	2	0	0	0	
SK6-O2	P-SK6-O2	Horizontal brace 2																
SK6-X1	P-SK6-X1	Diagonal brace	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	
SK6-L1	P-SK6-LP5	Diagonal brace connector	0	0	0	0	0	0	0	0	0	0	4	4	0	0	0	
SK6-L3	-	2P Platform filing connector	0	0	0	0	0	0	0	0	0	0	0	0	1	0	2	
SK5-L17	-	P9 Platform connector	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
SK6-K01	-	2P Kickboard 1100	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1/2 ***
SK6-K03 SK6-K04	-	Kickboard 2P 1200 left Kickboard 2P 1200 right																
SK5-L1	P-SK5-LP	LP1 Connector	0	1	1/0 ***	0	0	0	1	0	0	0	0	0	0	0	0	6
SK5-L16/ SK5-L3/ SK5-L12	P-SK5-LP2/ P-SK5-LP3	Adjustable connector L16/LP3	0	0	0	1	1	0	0	1	0	0	2	2	0	1	0	
P-SK-ZW	P-SK-ZW	Support clamp	2	2	2	1	1	2	2	1	4	2	0	2	2	1	12	
SK5-KWL + SK5-KW	-	Support consoles																
SK5-KWP + SK5-KW	-																	
SK5-D1	M-Z-P-K-14-ZN-Z	Square Washer PK	0	1	1/0 ***	0	0	2	2	0	4	0	0	0	0	0	10	
SK5-PR1	P-SK5-PR	Post 01	1/2 ***	3	3/4 ***	2	2	0	n+1 **	2	n+1 **	2	0	0	4	2	12	
SK6-PR1	P-SK6-PR1	Post 03																
SK5-PR2	P-SK5-PR2	Post 02	0	0	0	0	0	0	0	0	n+1 **	0	0	0	0	0	8	
SK6-PR2	-	Post 04																
SK5-BS1	P-SK5-BS-1	Stair railing 01 Industrial	2	2	2	2	2	0	0	2	0	2	2	2	2	2	4	
SK5-BS3	P-SK5-BS-B-1	Stair railing 01 Safety																
SK5-ST1	P-SK5-SB-E01	Supplementary step	x*	x*	x*	x*	x*	0	0	x*	0	x*	x*	x*	x*	x*	2x*	
SK5-ST2	P-SK5-SB-E01-1.2																	

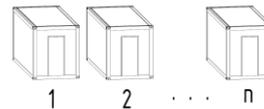
* For container height: H = 2,6m - x = 0

H = 2,8m - x = 1

H = 2,9m - x = 2

** n - number of joined containers

*** Second value for width 1.2



ID	Instruction ID	Component description	Configurations														
			1	2	3	4	4a	5	5b	6	7	8	10	12	13	14	15
M-Z-S-SZ-12x50-8-ZO	M12x50	Hexagon bolt M12x50-8.8 hot-dip galvanized (DIN933)	6	6	6	6	6	0	0	6	0	6	14	14	6	7	16
M-Z-S-SZ-10x140-8-ZO	M10x140	Hexagon bolt M10x140-8.8 ISO 4014 hot-dip galvanized	2	2	2	1	1	2	2	1	4	2	0	2	2	1	12
M-Z-S-SZ-10x130-8-ZO	M10x130	Hexagon bolt M10x130-8.8 ISO 4014 hot-dip galvanized	0	0	0	0	0	2	2	0	4	0	0	4	0	0	8
M-Z-S-SZ-10x120-8-ZO	M10x120	Hexagon bolt M10x120-8.8 ISO 4014 hot-dip galvanized	0	3	3/2 ***	0	0	0	0	0	0	0	0	0	1	0	2
M-Z-S-SZ-10x90-8-ZO	M10x90	Hexagon bolt M10x90-8.8 hot-dip galvanized, ISO4017	6	11	11	7	7	3	5	7	6	9	20	26	19	10	62
M-Z-S-SZ-10x60-8-ZO	M10x60	Hexagon bolt M10x60-8.8 hot-dip galvanized, ISO4017	2	4	4/2 ***	2	2	2	2	2	4	2	4	4	2	2	12
M-Z-S-SZ-10x30-8-ZO	M10x30	Hexagon bolt M10x30-8.8 hot-dip galvanized ISO 4017	14	14	14	14	14	0	0	14	0	14	14	14	14	14	28
M-Z-S-SZ-6x60-8-ZO	M6x60	Hexagon bolt M6x60-8.8 hot-dip galvanized, ISO 4017	4	4	4	4	4	0	0	4	0	4	4	4	4	4	8
M-Z-P-Z-14-ZO	W14	Washer M14 hot-dip galvanized ISO7089	2	2	2	1	1	2	2	1	4	2	0	2	2	1	12
M-Z-P-Z-12-ZO	W12	Washer M12 hot-dip galvanized ISO7089	12	12	12	12	12	0	0	12	0	12	28	28	12	14	28
M-Z-P-Z-10-ZO	W10	Washer M10 hot-dip galvanized ISO7089	48	68	68/ 62 ***	48	48	18	22	48	36	54	68	100	76	54	248
M-Z-P-S-12-ZO	WS12	Spring washer hot-dip galvanized DIN 127 - A 12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
M-Z-P-P-12-ZO	EW12	Extended washer M12 hot-dip galvanized ISO7093	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
M-Z-N-SZ-14-8-ZO	M14	Nut M14-8 hot-dip galvanized, ISO 4032	2	2	2	1	1	2	2	1	4	2	0	2	2	1	12
M-Z-N-SZ-12-8-ZO	M12	Nut M12-8 hot-dip galvanized, ISO 4032	6	6	6	6	6	0	0	6	0	6	14	14	6	7	16
M-Z-N-SZ-10-8-ZO	M10	Nut M10-8 hot-dip galvanized, ISO 4032	24	34	34/ 31 ***	24	24	9	11	24	18	27	34	50	38	27	124
M-Z-N-SZ-6-8-ZO	M6	Nut M6-8 hot-dip galvanized, ISO 4032	4	4	4	4	4	0	0	4	0	4	4	4	4	4	8
M-Z-P-K-14-ZN-Z (SK5-D1)	SW14	Square Washer M14 8 galvanized (50x50x8)	0	1	1	0	0	2	2	0	4	0	0	0	1	0	10

P-SK5-ZS-PD2.4-Z		
M-Z-S-SZ-10x140-8-ZO	Hexagon bolt M10x140-8.8 ISO 4014 hot-dip galvanized	2
M-Z-S-SZ-10x120-8-ZO	Hexagon bolt M10x120-8.8 ISO 4014 hot-dip galvanized	2
M-Z-S-SZ-10x90-8-ZO	Hexagon bolt M10x90-8.8 ISO 4014 hot-dip galvanized	5
M-Z-S-SZ-10x60-8-ZO	Hexagon bolt M10x60-8.8 ISO 4014 hot-dip galvanized	2
M-Z-N-SZ-10-8-ZO	Nut M10-8 hot-dip galvanized ISO 4032	11
M-Z-P-Z-10-ZO	Washer M10 hot-dip galvanized ISO 7089	22
P-SK5-ZS-PD1.1-Z		
M-Z-S-SZ-10x120-8-ZO	Hexagon bolt M10x120-8.8 ISO 4014 hot-dip galvanized	2
M-Z-S-SZ-10x90-8-ZO	Hexagon bolt M10x90-8.8 ISO 4014 hot-dip galvanized	5
M-Z-S-SZ-10x60-8-ZO	Hexagon bolt M10x60-8.8 ISO 4014 hot-dip galvanized	2
M-Z-N-SZ-10-8-ZO	Nut M10-8 hot-dip galvanized ISO 4032	9
M-Z-P-K-14-ZN-Z	Square Washer M14 8 galvanized (50x50x8)	1
M-Z-P-Z-10-ZO	Washer M10 hot-dip galvanized ISO 7089	18
P-SK5-ZS-SD-Z		
M-Z-S-SZ-12x50-8-ZO	Hexagon bolt M12x50-8.8 ISO 4017 hot-dip galvanized (DIN933)	6
M-Z-S-SZ-10x30-8-ZO	Hexagon bolt M10x30-8.8 ISO 4017 hot-dip galvanized	14
M-Z-S-SZ-8x60-8-ZO	Hexagon bolt M8x60-8.8 ISO 4014 hot-dip galvanized	4
M-Z-S-SZ-10x90-8-ZO	Hexagon bolt M10x90-8.8 ISO 4014 hot-dip galvanized	2
M-Z-N-SZ-12-8-ZO	Nut M12-8 hot-dip galvanized , ISO 4032	6
M-Z-N-SZ-10-8-ZO	Nut M10-8 hot-dip galvanized ISO 4032	16
M-Z-N-SZ-8-8-ZO	Nut M8-8 hot-dip galvanized ISO 4032	4
M-Z-P-Z-12-ZO	Washer M12 hot-dip galvanized ISO7089	12
M-Z-P-Z-10-ZO	Washer M10 hot-dip galvanized ISO7089	32
P-SK6-ZS-2P-Z		
M-Z-S-SZ-12x50-8-ZO	Hexagon bolt M12x50-8.8 ISO 4017 hot-dip galvanized (DIN933)	16
M-Z-S-SZ-10x140-8-ZO	Hexagon bolt M10x140-8.8 ISO 4014 hot-dip galvanized	14
M-Z-S-SZ-10x90-8-ZO	Hexagon bolt M10x90-8.8 ISO 4014 hot-dip galvanized	55
M-Z-S-SZ-10x60-8-ZO	Hexagon bolt M10x60-8.8 ISO 4014 hot-dip galvanized	12
M-Z-S-SZ-10x30-8-ZO	Hexagon bolt M10x30-8.8 ISO 4017 hot-dip galvanized	22
M-Z-S-SZ-8x60-8-ZO	Hexagon bolt M8x60-8.8 ISO 4014 hot-dip galvanized	8
M-Z-S-SZ-8x40-8-ZO	Hexagon bolt M8x40-8.8 ISO 4017 hot-dip galvanized	2
M-Z-N-SZ-12-8-ZO	Nut M12-8 hot-dip galvanized , ISO 4032	16
M-Z-N-SZ-10-8-ZO	Nut M10-8 hot-dip galvanized ISO 4032	103
M-Z-N-SZ-8-8-ZO	Nut M8-8 hot-dip galvanized ISO 4032	10
M-Z-P-Z-12-ZO	Washer M12 hot-dip galvanized ISO7089	32
M-Z-P-Z-10-ZO	Washer M10 hot-dip galvanized ISO7089	206
M-Z-P-Z-10-ZO	Washer M8 hot-dip galvanized ISO7089	4
M-Z-P-P-12-ZO	Washer poszerzana M12 hot-dip galvanized ISO7093	4
P-SK6-ZS-SX-Z		
M-Z-S-SZ-10x90-8-ZO	Hexagon bolt M10x90-8.8 ISO 4014 hot-dip galvanized	28
M-Z-S-SZ-10x30-8-ZO	Hexagon bolt M10x30-8.8 ISO 4017 hot-dip galvanized ISO 4017	8
M-Z-N-SZ-10-8-ZO	Nut M10- hot-dip galvanized ISO 4032	36
M-Z-P-Z-10-ZO	Washer M10 hot-dip galvanized ISO7089	72
P-SK6-ZS-UZ-Z		
M-Z-S-SZ-10x140-8-ZO	Hexagon bolt M10x140-8.8 ISO 4014 hot-dip galvanized	1
M-Z-S-SZ-10x90-8-ZO	Hexagon bolt M10x90-8.8 ISO 4014 hot-dip galvanized	5
M-Z-N-SZ-10-8-ZO	Nut M10-8 hot-dip galvanized ISO 4032	6
M-Z-P-Z-10-ZO	Washer M10 hot-dip galvanized ISO7089	12

Tab 1. Content of sets of fastners

5. List of tools required for the container stair assembly

Tab 2. List of tools

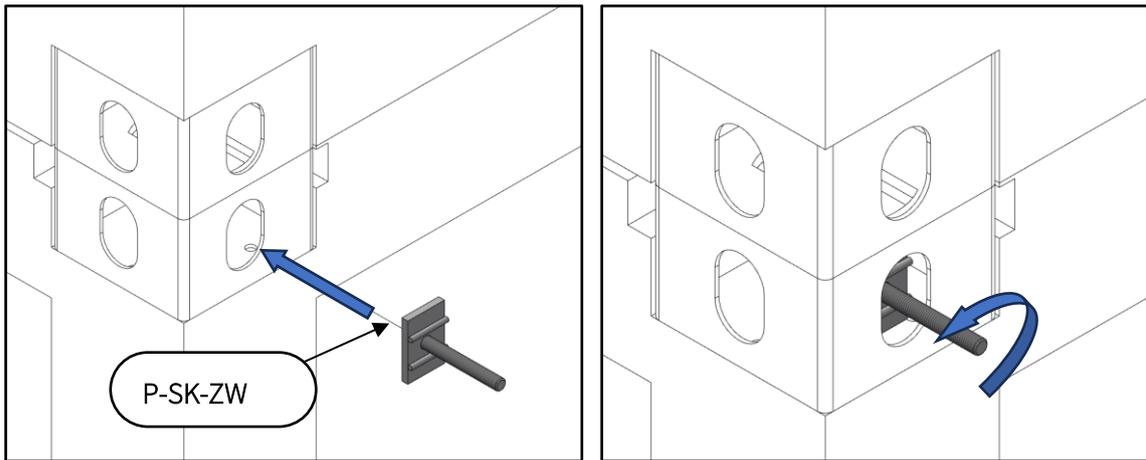
	<p>Wrenches: 22,19,18,17,16,13,10</p>
	<p>Level</p>
	<p>Tape measure</p>
	<p>Lifter with a lifting capacity of min. 1 t</p>

6. Assembly operations of individual components of the container stair system

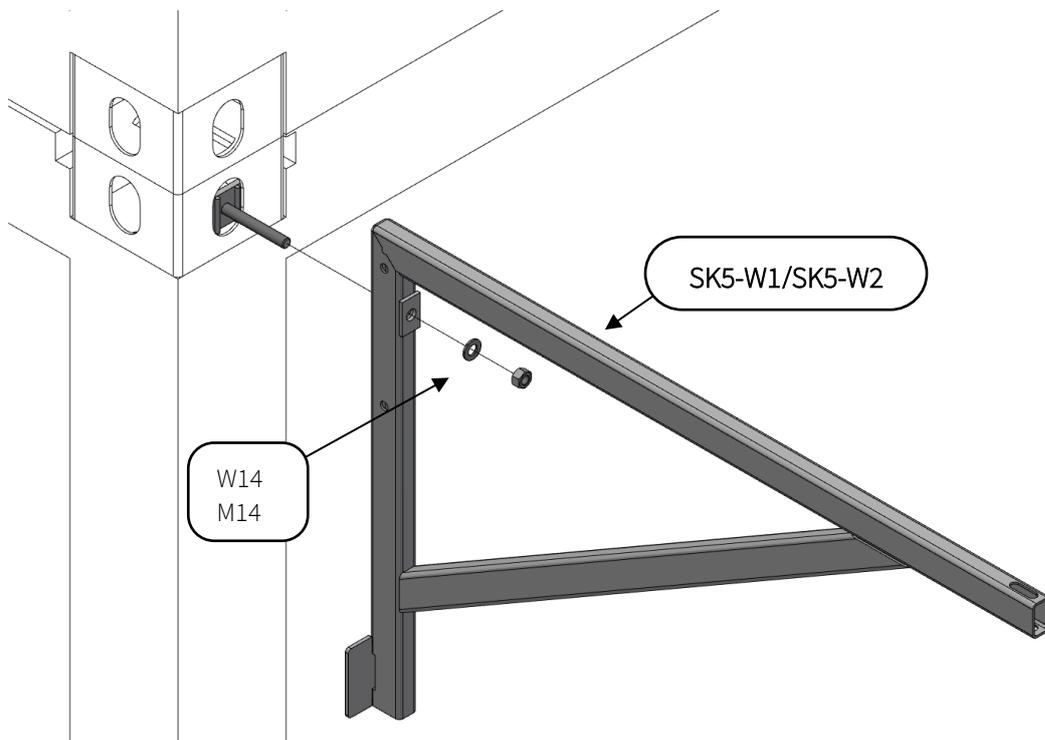
The assembly manual has been prepared in a way that shows how to assemble the individual elements of the container stair system.

4.1. SUPPORT ASSEMBLY

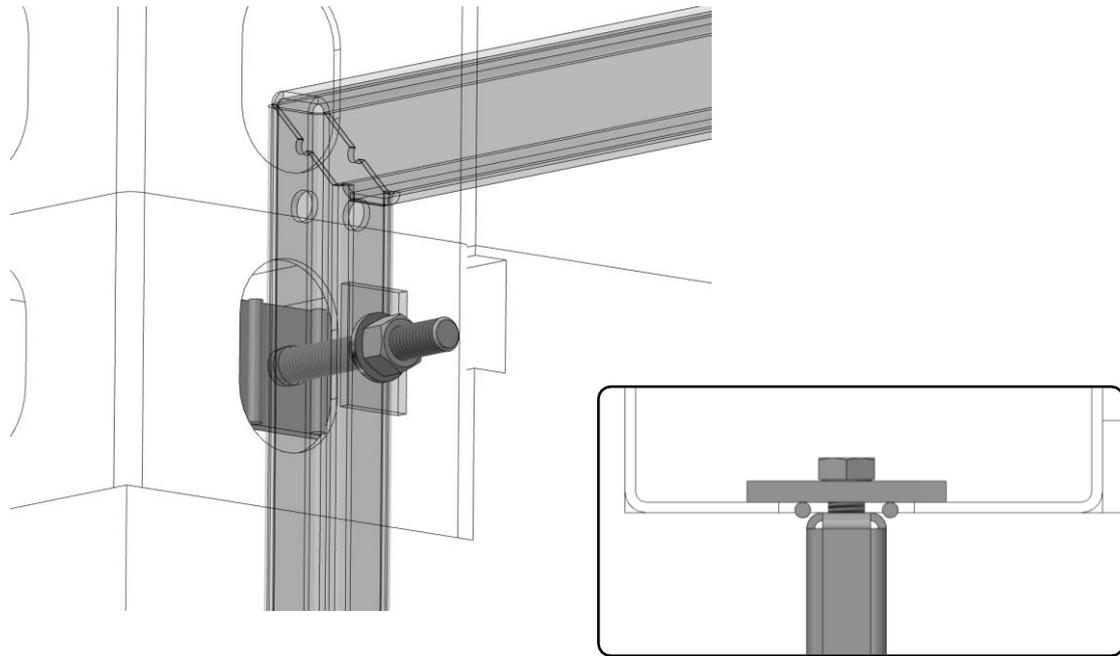
Support clamp should be inserted into the container socket and then rotated 90° ..



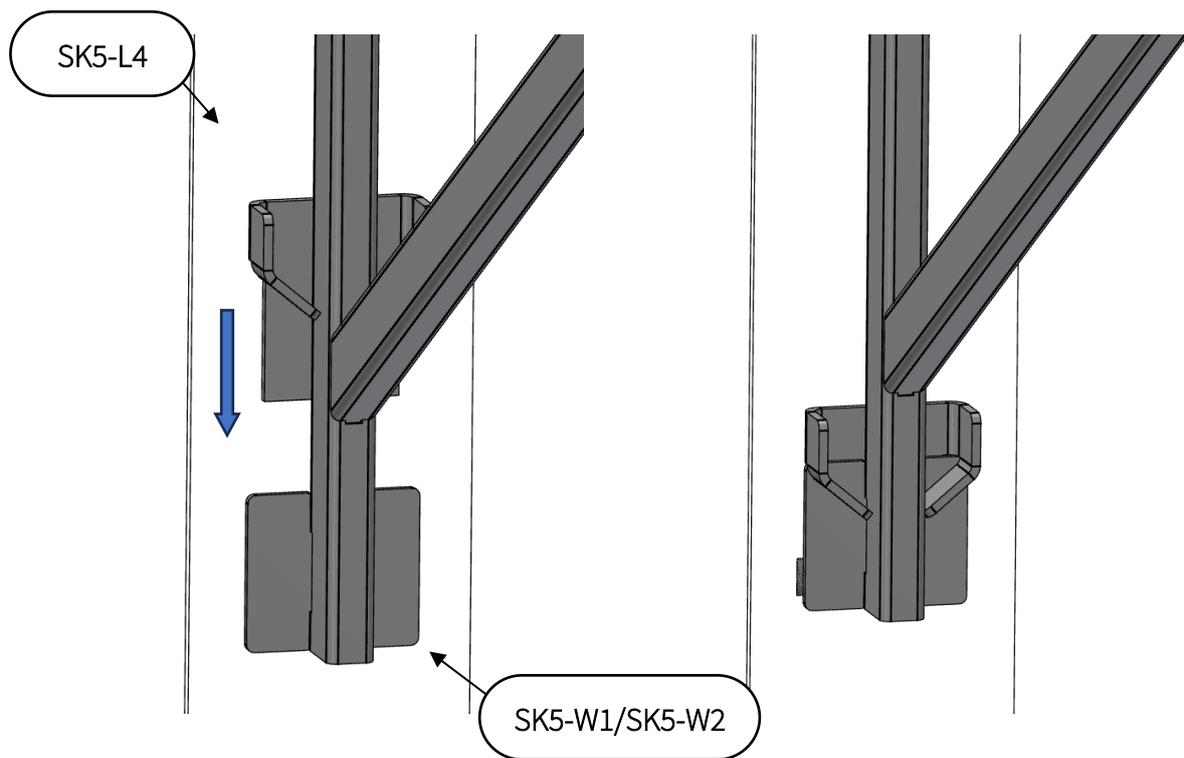
Slide the support on screw and secure it with the washer and nut set



View after correct assembly

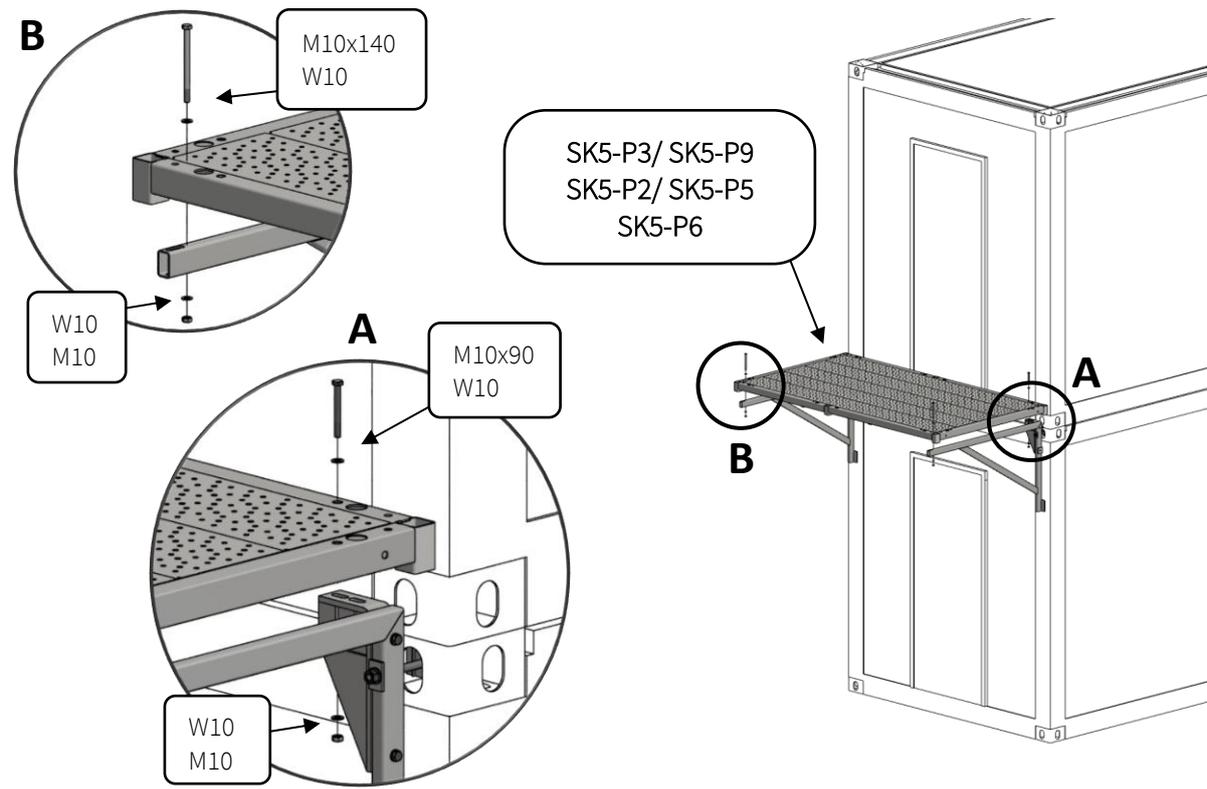


For storage containers, in case of mounting on the rear wall, the brackets are compatible with an additional SK5-L4 console, which must be pushed onto the support plate of the bracket

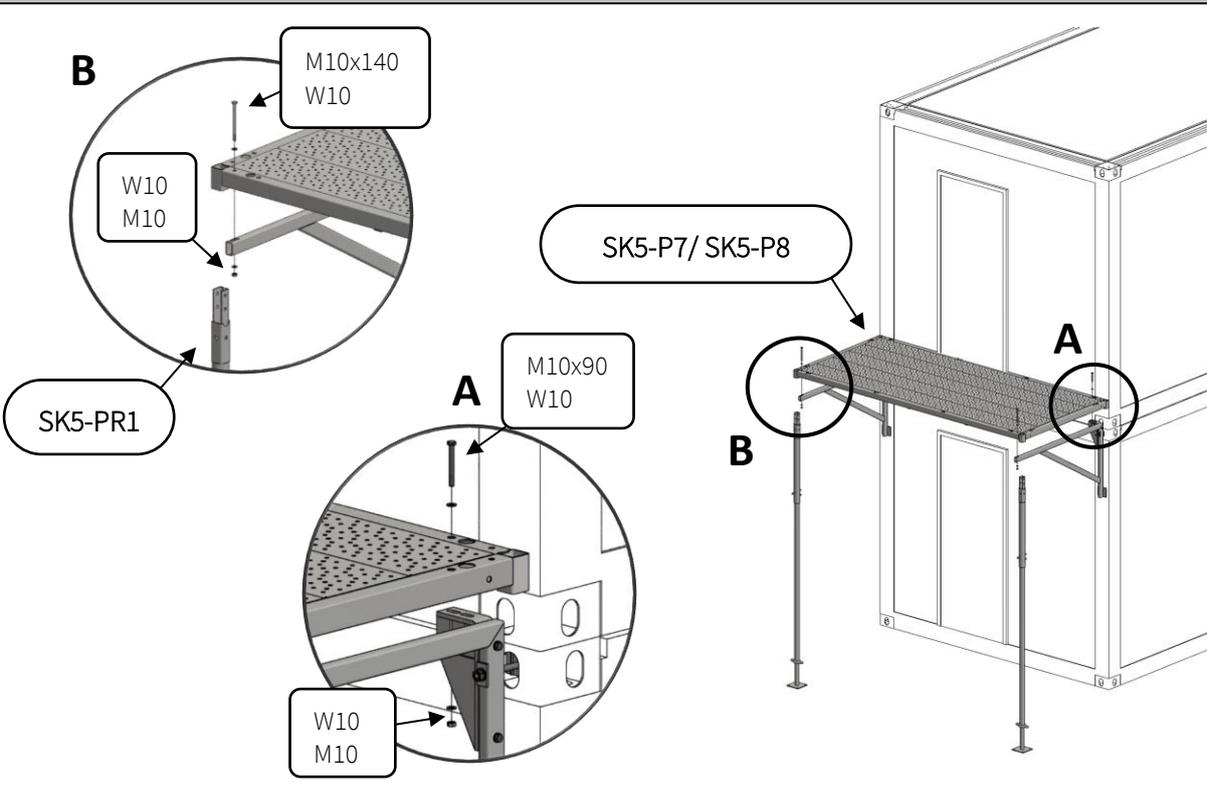


4.2. PLATFORM ASSEMBLY

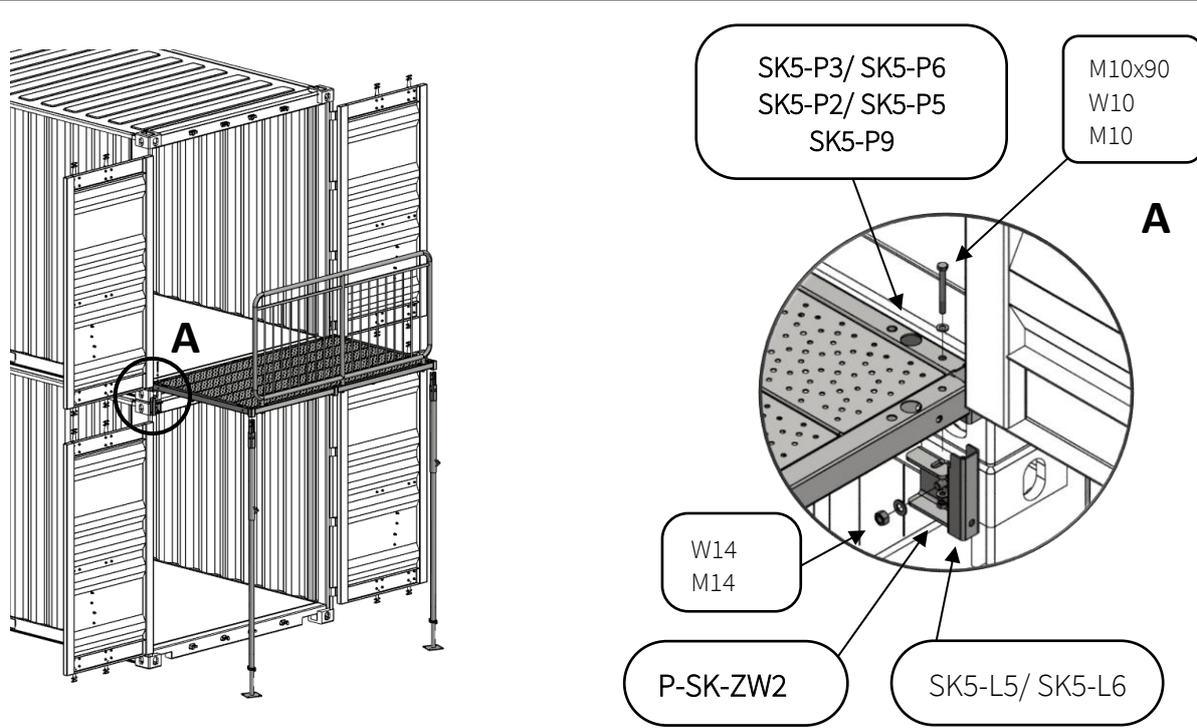
The platforms are assembled on supports and posts, and then screwed together with a set of a bolt, washer and nut.



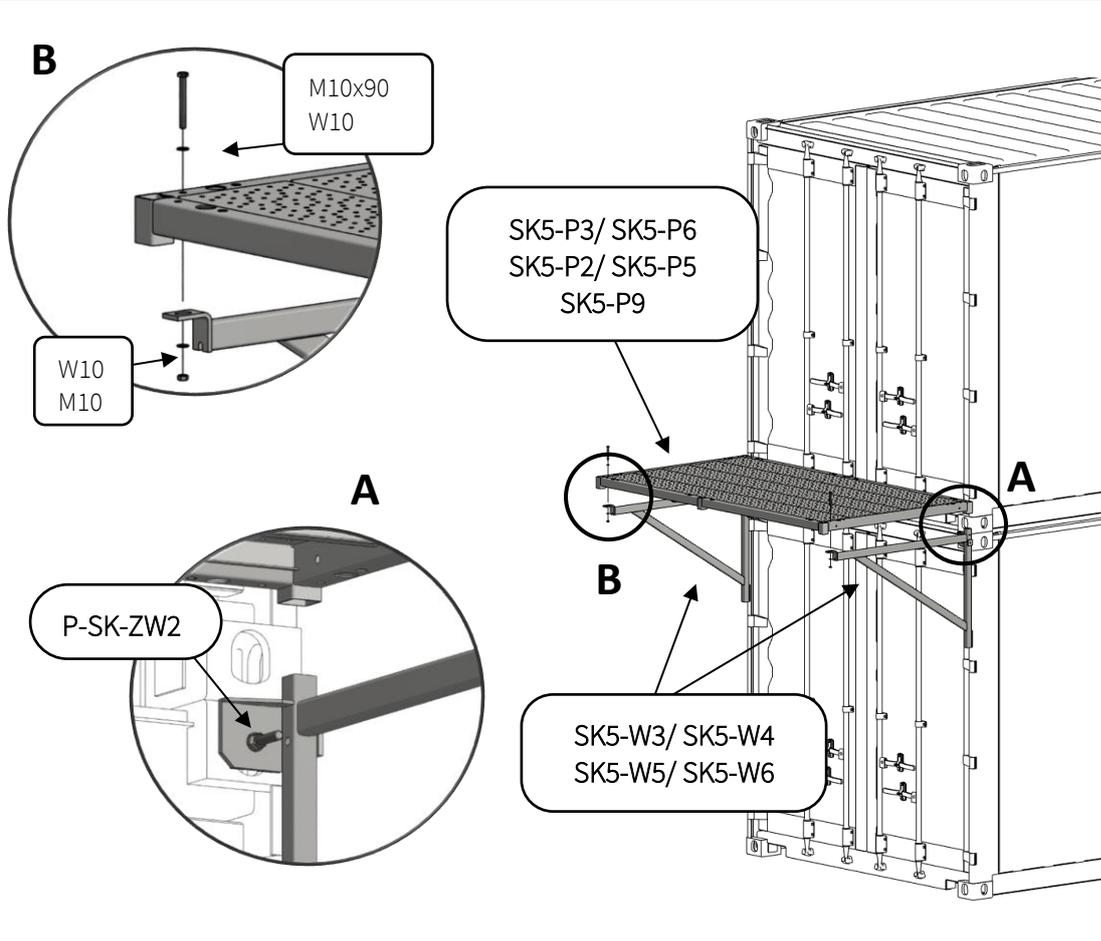
The 3m long platform should be additionally supported with posts.



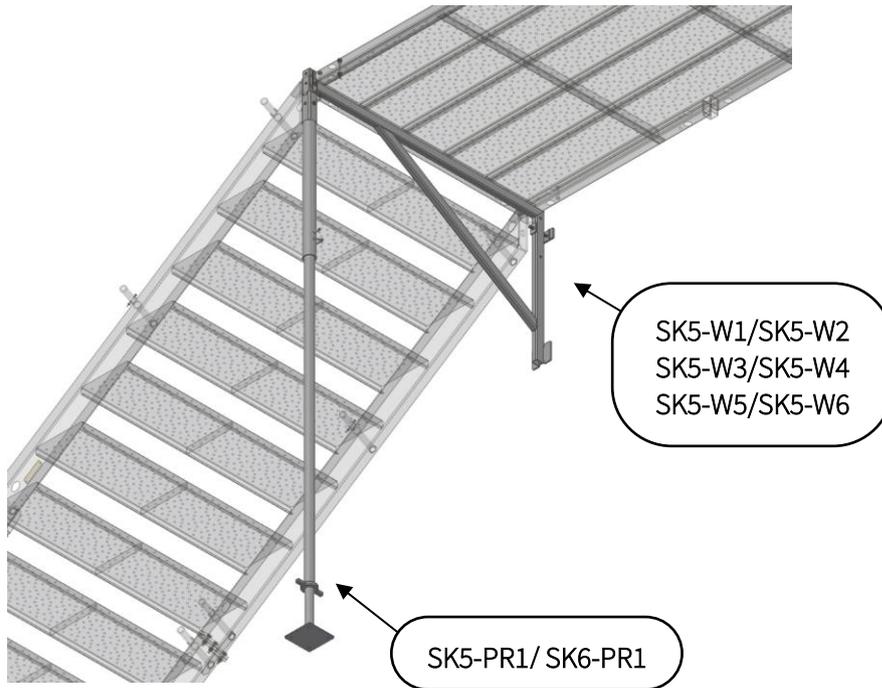
For sea containers, the SK5-L5 (left) and SK5-L6 (right) consoles are an alternative to supports



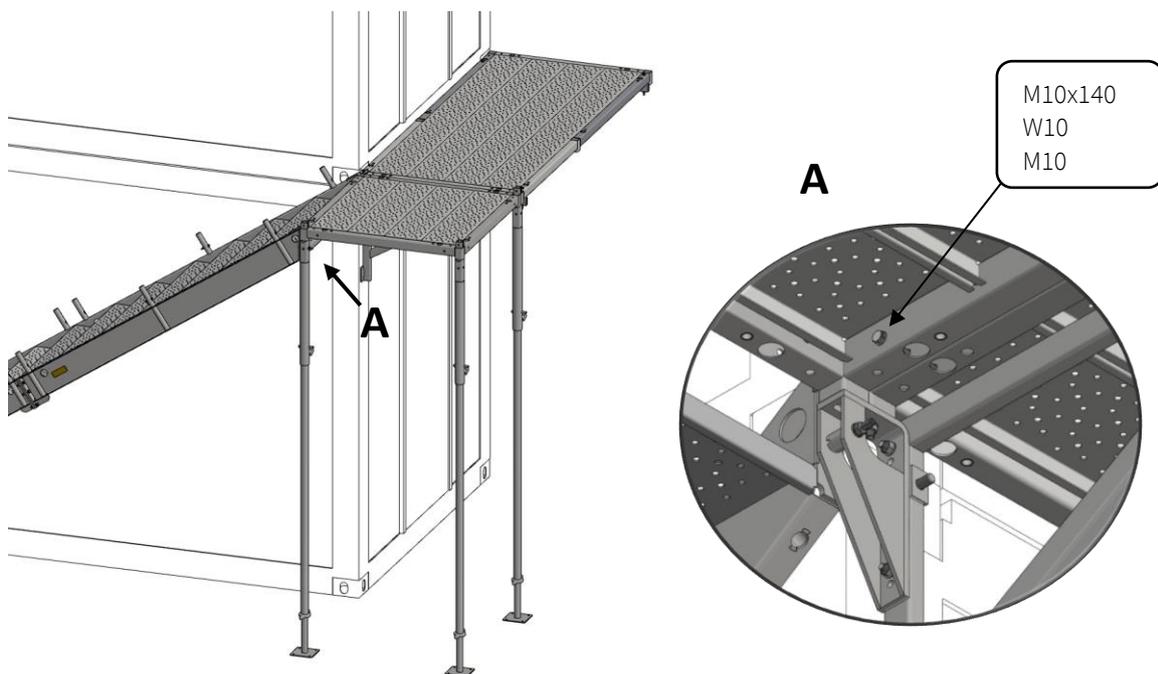
We use W3,W4,W5 and W6 supports for sea containers



In the case where stairs are assembled to the platform on this side, the platform should be supported by two posts or a bracket and a post, and in the case of wider platform, two posts and a bracket..

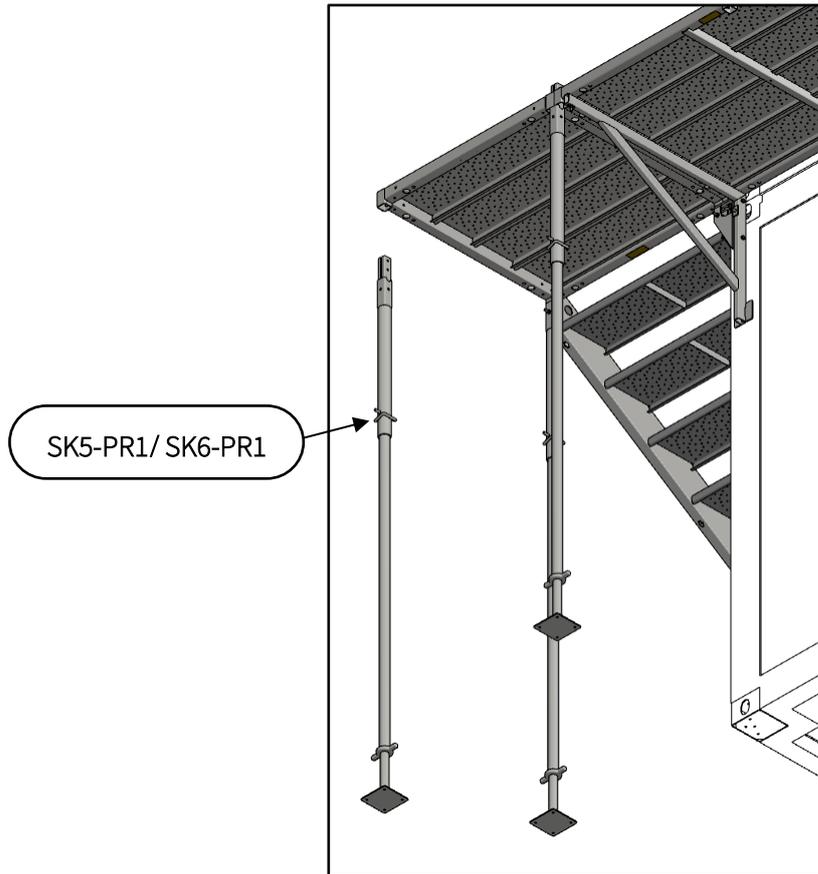


If it is not possible to assemble the platform on the supports, it should be supported at least in three sockets with posts and screwed to the adjacent platform which is assembled on the supports. The adjacent platforms should be screwed together with the set of washer PK, bolt, washers, nut.



4.3. POST ASSEMBLY

The posts should be placed in the platform sockets.



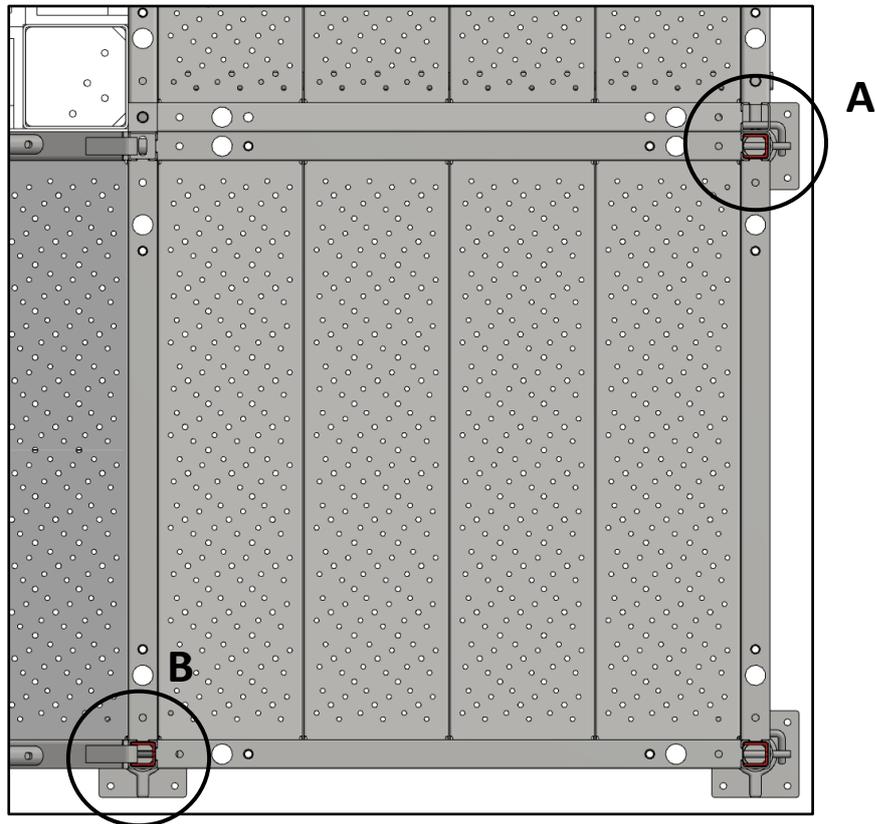
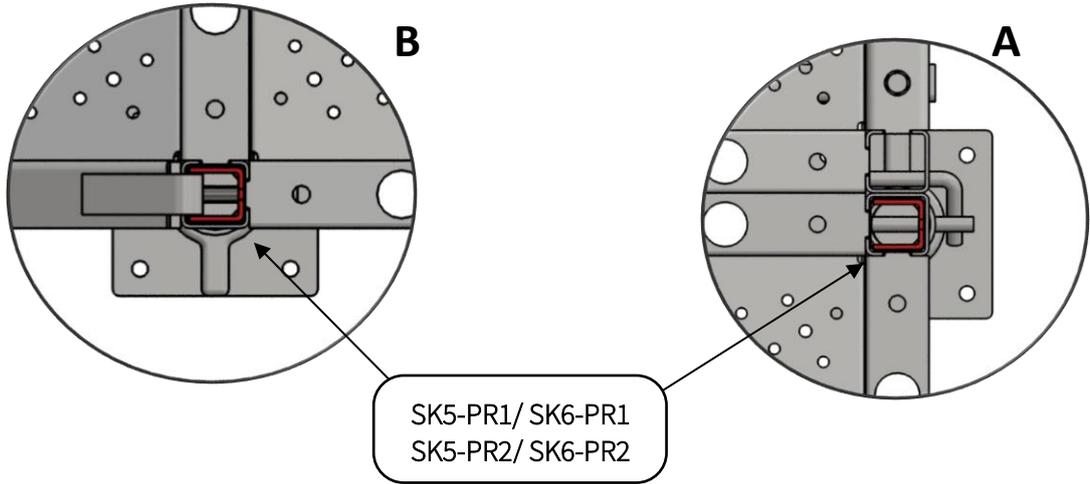
In order to adjust the platform to the height of the container, the SK5-PR1/PR2 posts have three adjustment positions in the upper part. In case of uneven ground, the PR1 post can be additionally adjusted using an adjustable foot.



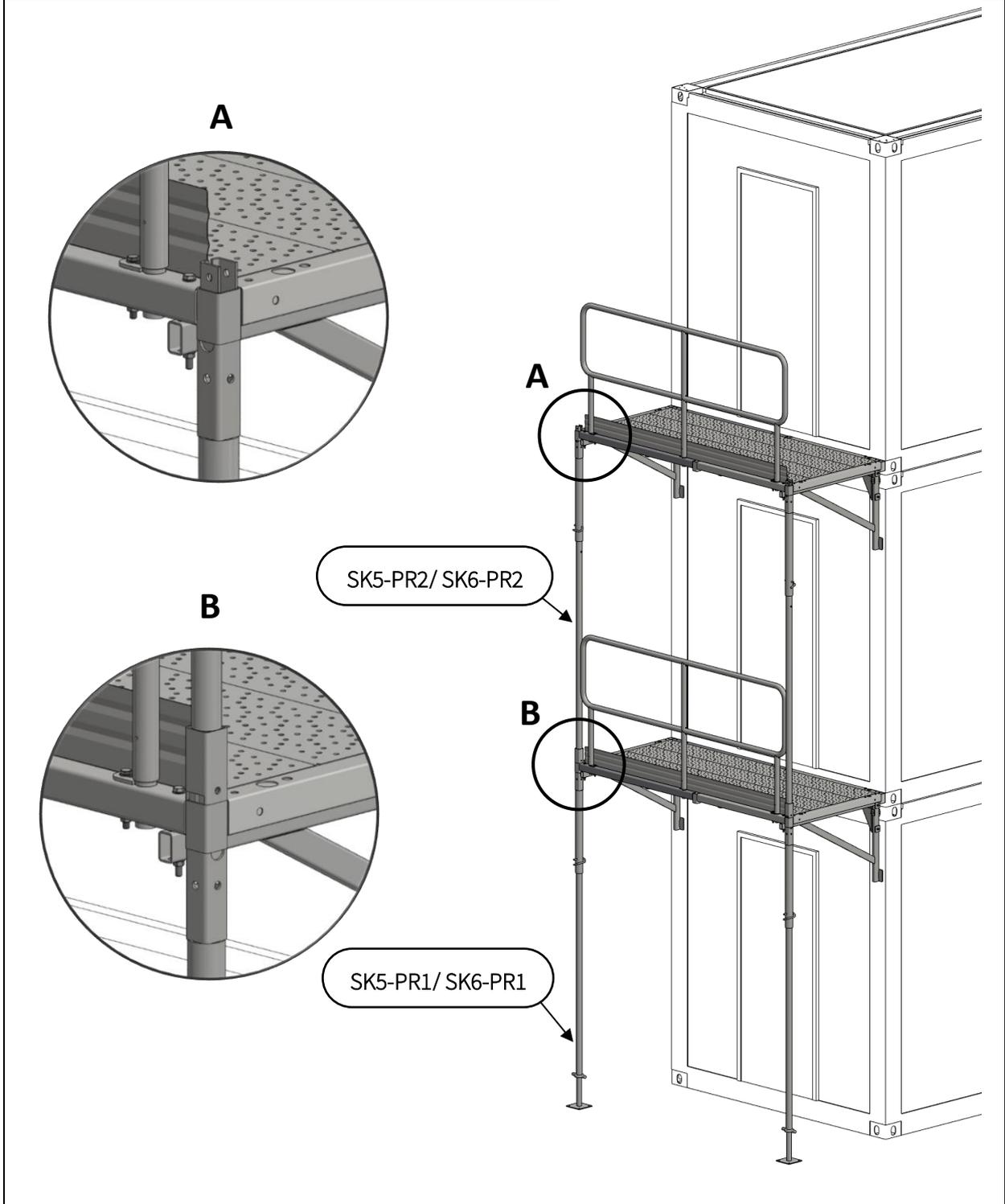
The height of the PR1 / PR2 post should be adjusted to the height of the container to which the stairs are assembled. To do this, disassemble the pins, adjust the height, and insert the pins in the appropriate holes.



The posts that are assembled on the stairs should be placed so that the cut in the spindle of the post points towards the hook of the stairs.

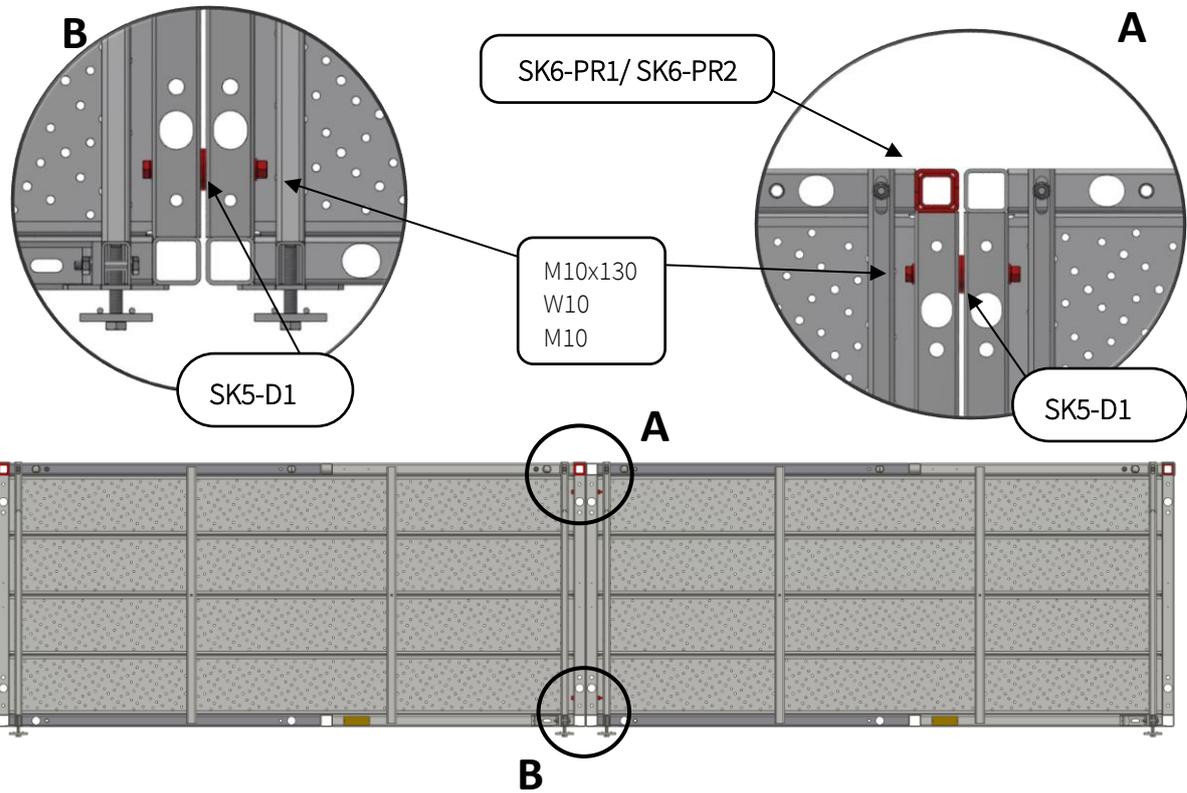


In the case of a multi-storey setting of container stairs, the platforms should be supported with posts from the ground level to the last platform.

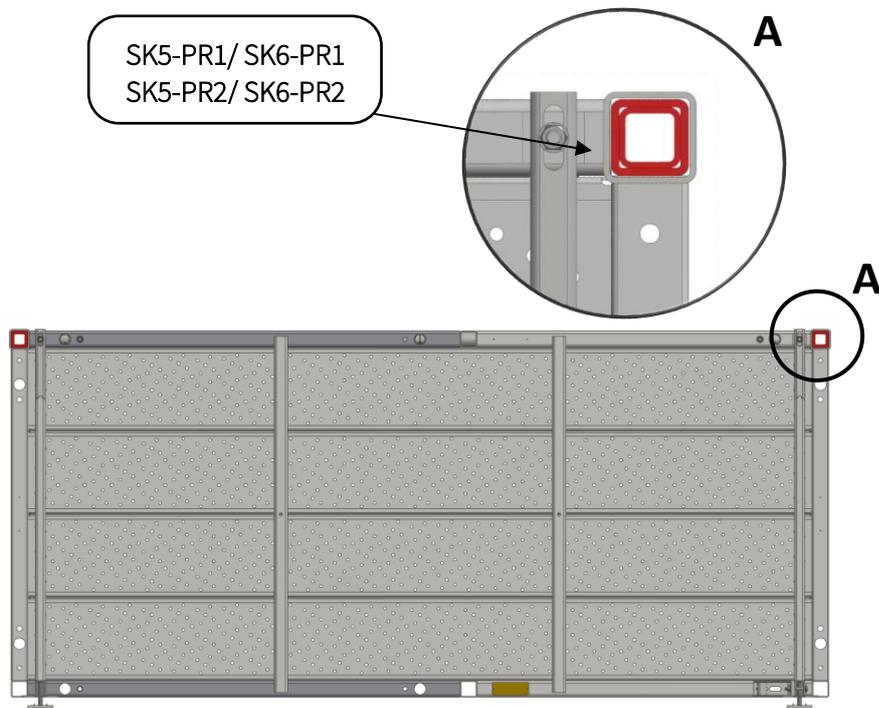


Columns for platforms put together.

Additionally, platforms should be connected with two M10x130 screws. In the case of a row of containers, use one or two SK5-D1 washers between this connection

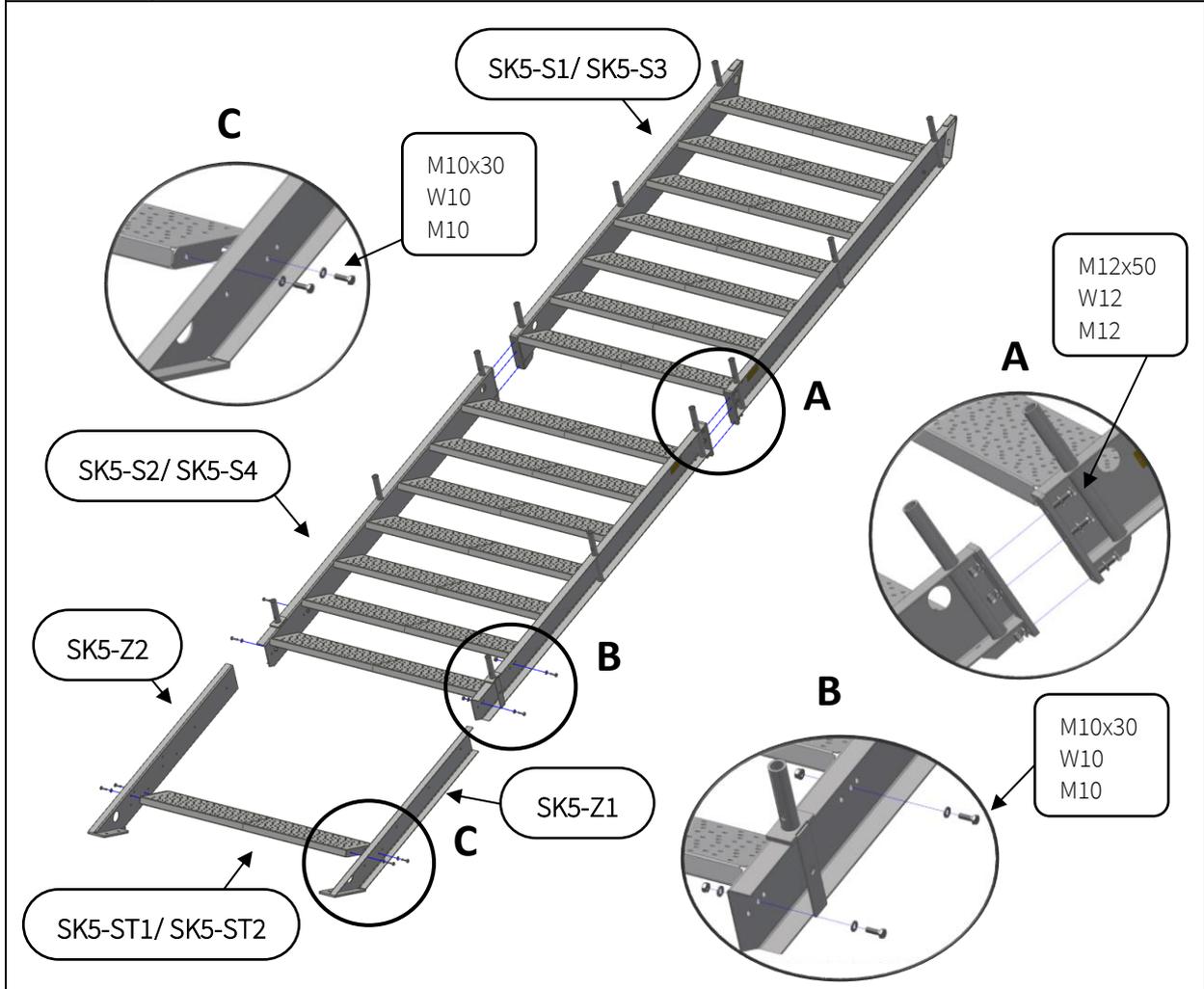


Posts for Configuration 7 in single assembly.

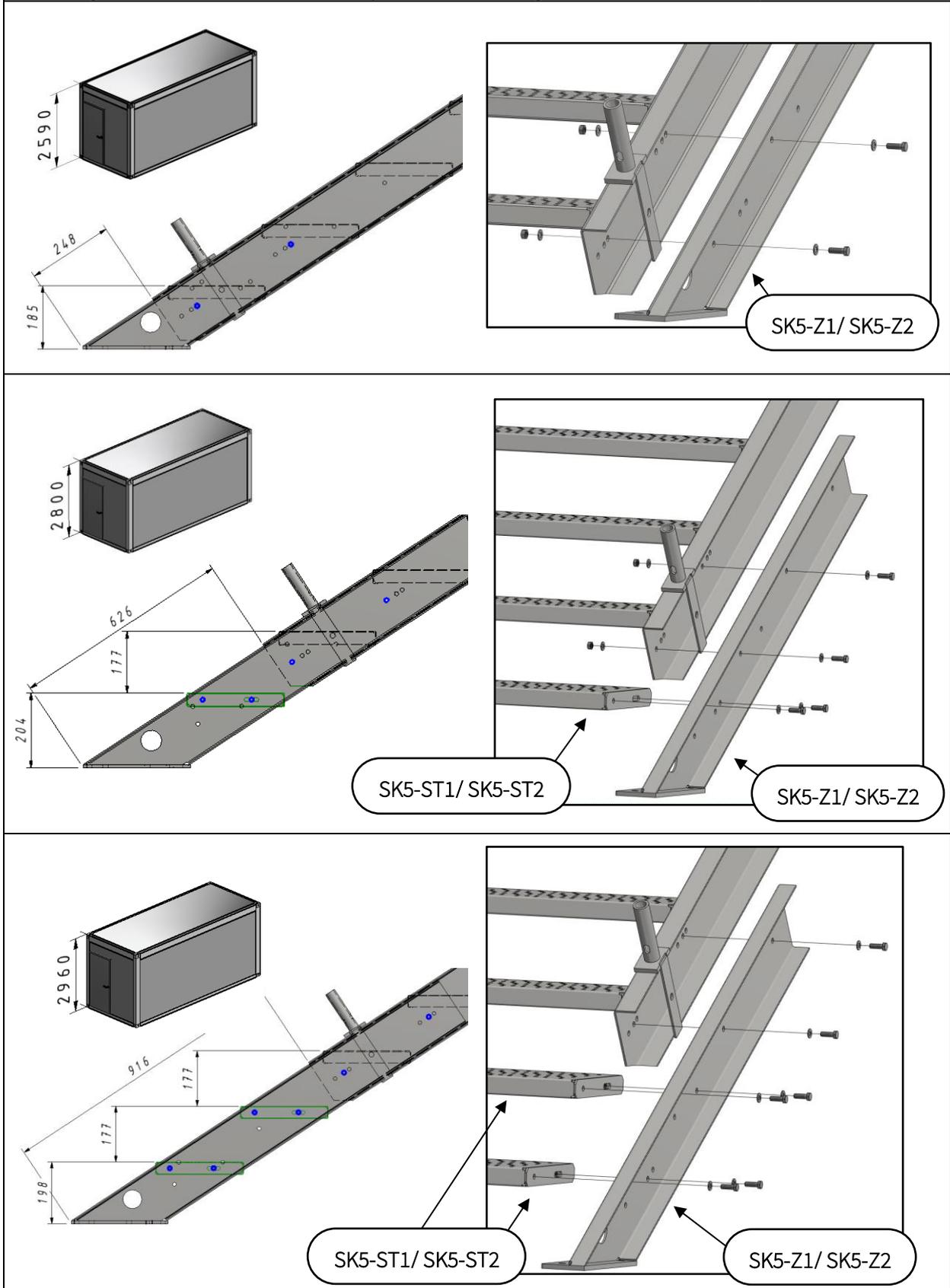


4.4. STAIR ASSEMBLY

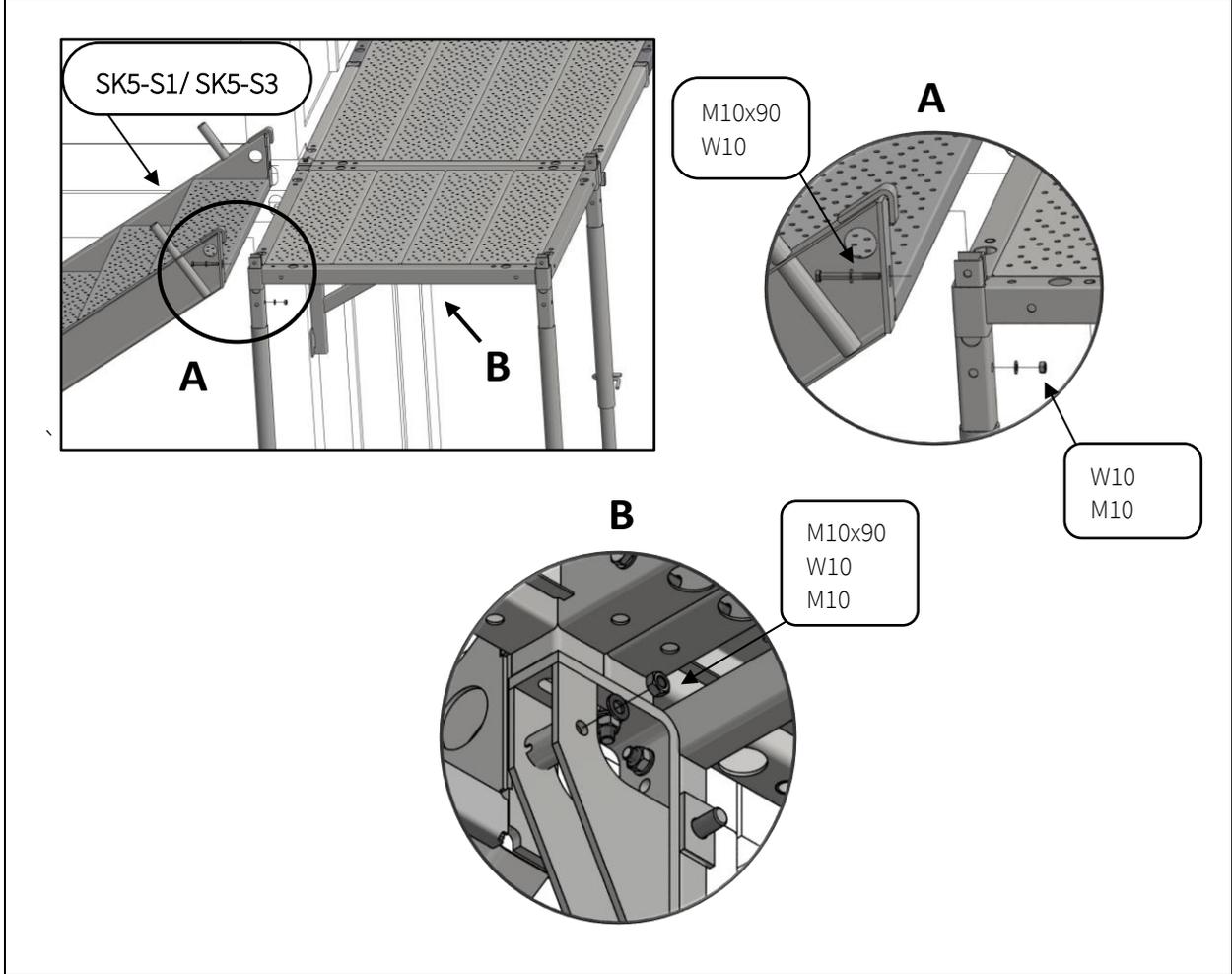
Scheme of the assembly of the stairs. The assembly of SK6-Z1 and SK6-Z2 elements depends on the height of the containers.



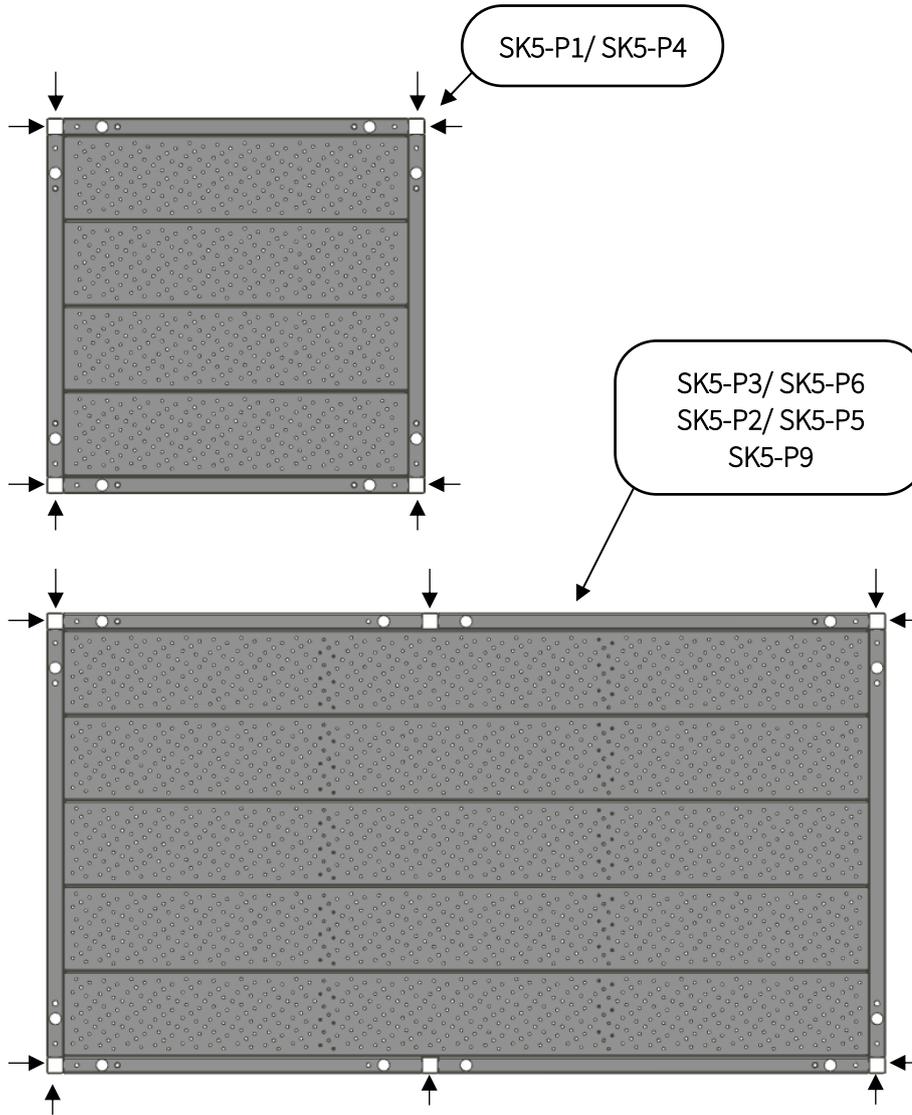
The height of the stairs should be adjusted to the height of the container as presented below.



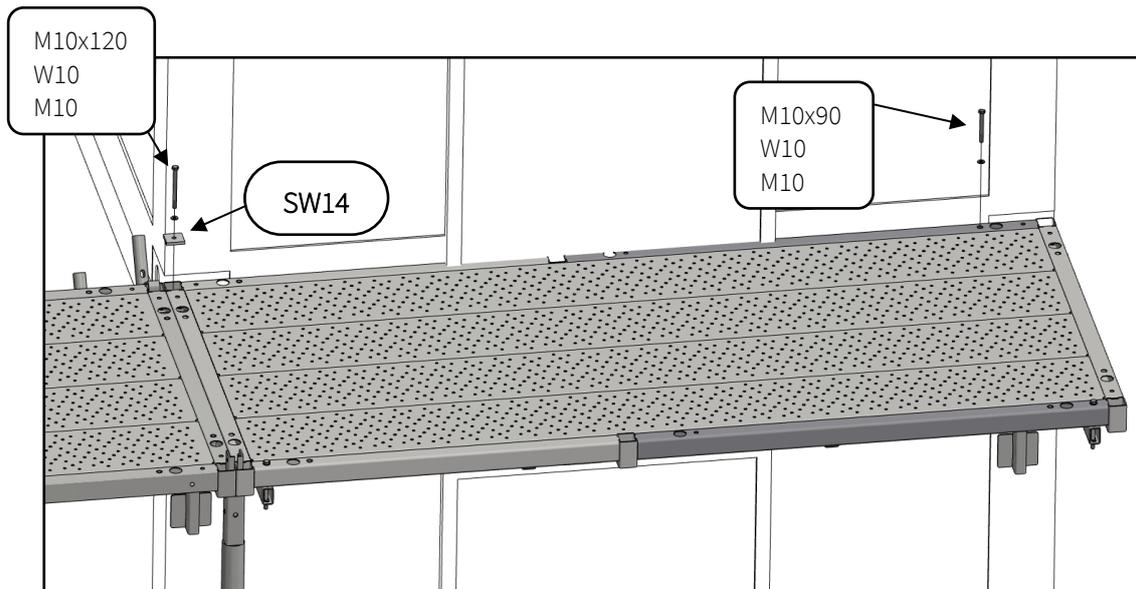
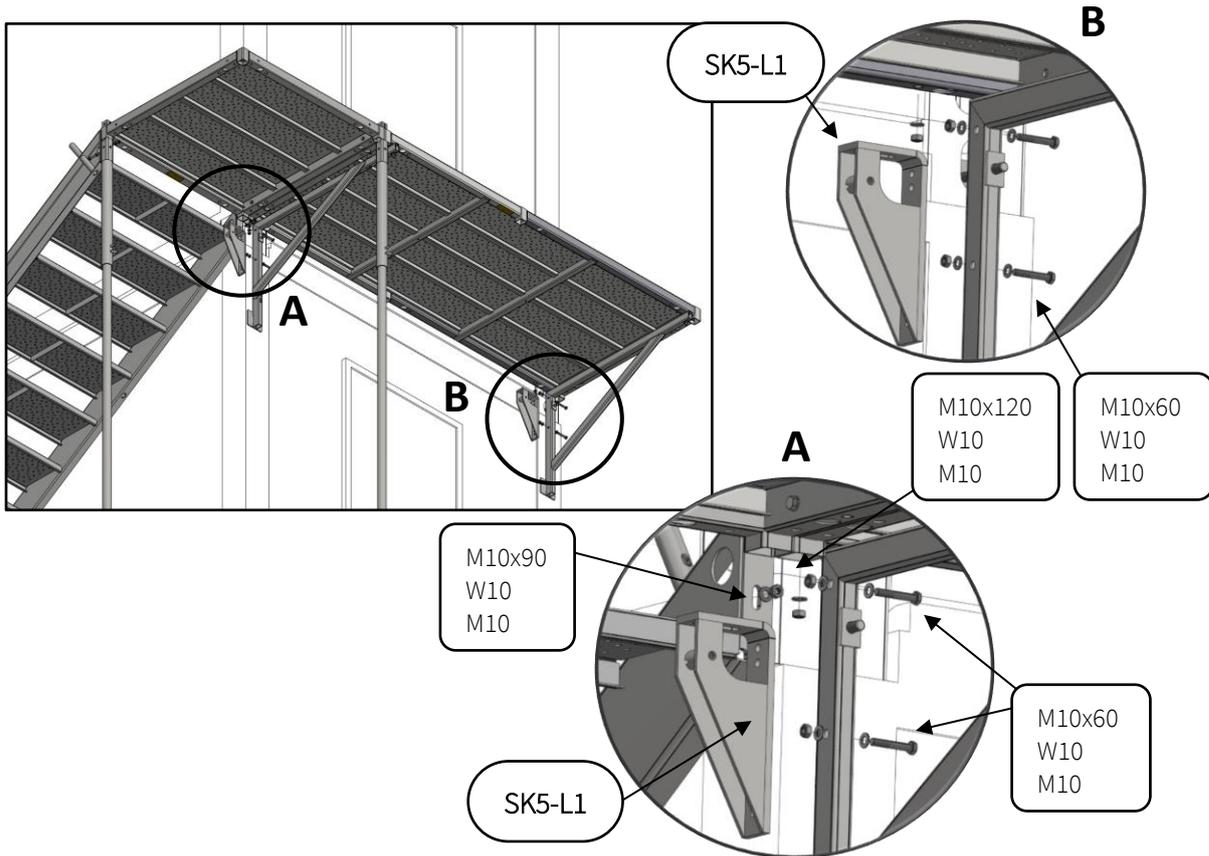
The stairs have hooks that facilitate assembly, they should be hung on the platform sockets and then screwed with a set of bolts, washers, nuts



For the 1100x1100 and 1200x1200 platforms, the stairs can be assembled on four sides, depending on the needs. For platforms with a length of 2440 and 1690, the stairs should be assembled on the short edge or in the sockets on the long edges..



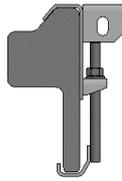
4.5. LP CONNECTOR ASSEMBLY (SK5-L1)



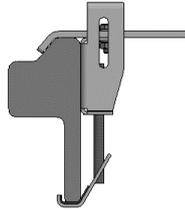
4.6. L2/L3/L11/L12/L16 CONNECTOR ASSEMBLY

The L2/L3/L11/L12/L16 connector is assembled on the container cornice and screwed to the structure of the container stairs, it prevents the platform from moving away from the container when the platform is assembled on one support and two posts along the container.

Installation diagram L2, L3, L12, L16



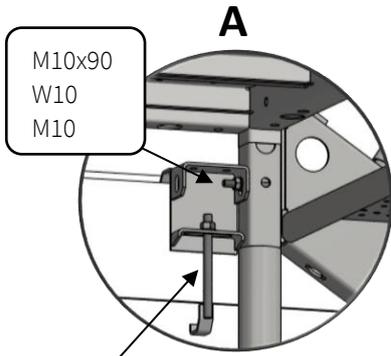
L2



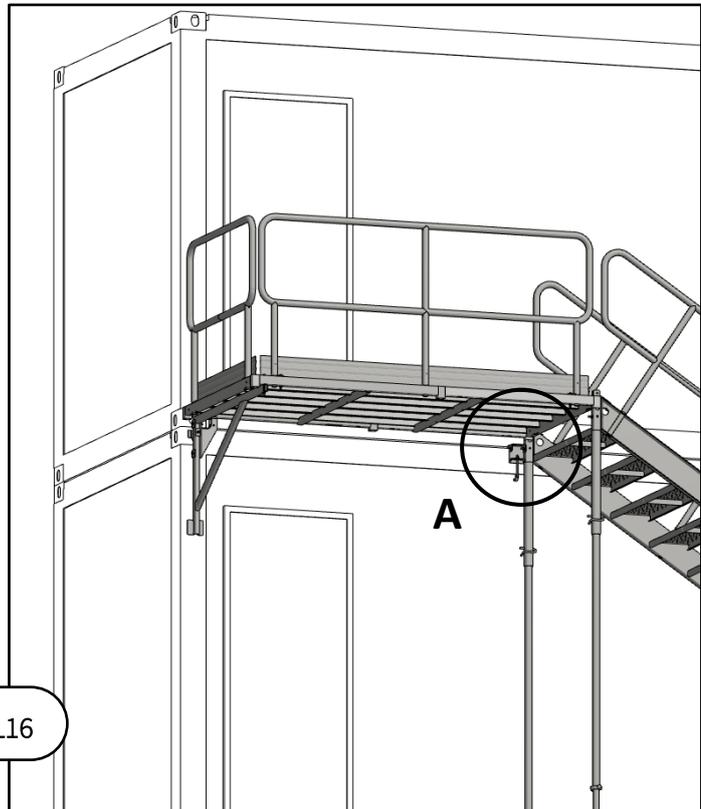
L16/L11



L3 / L12

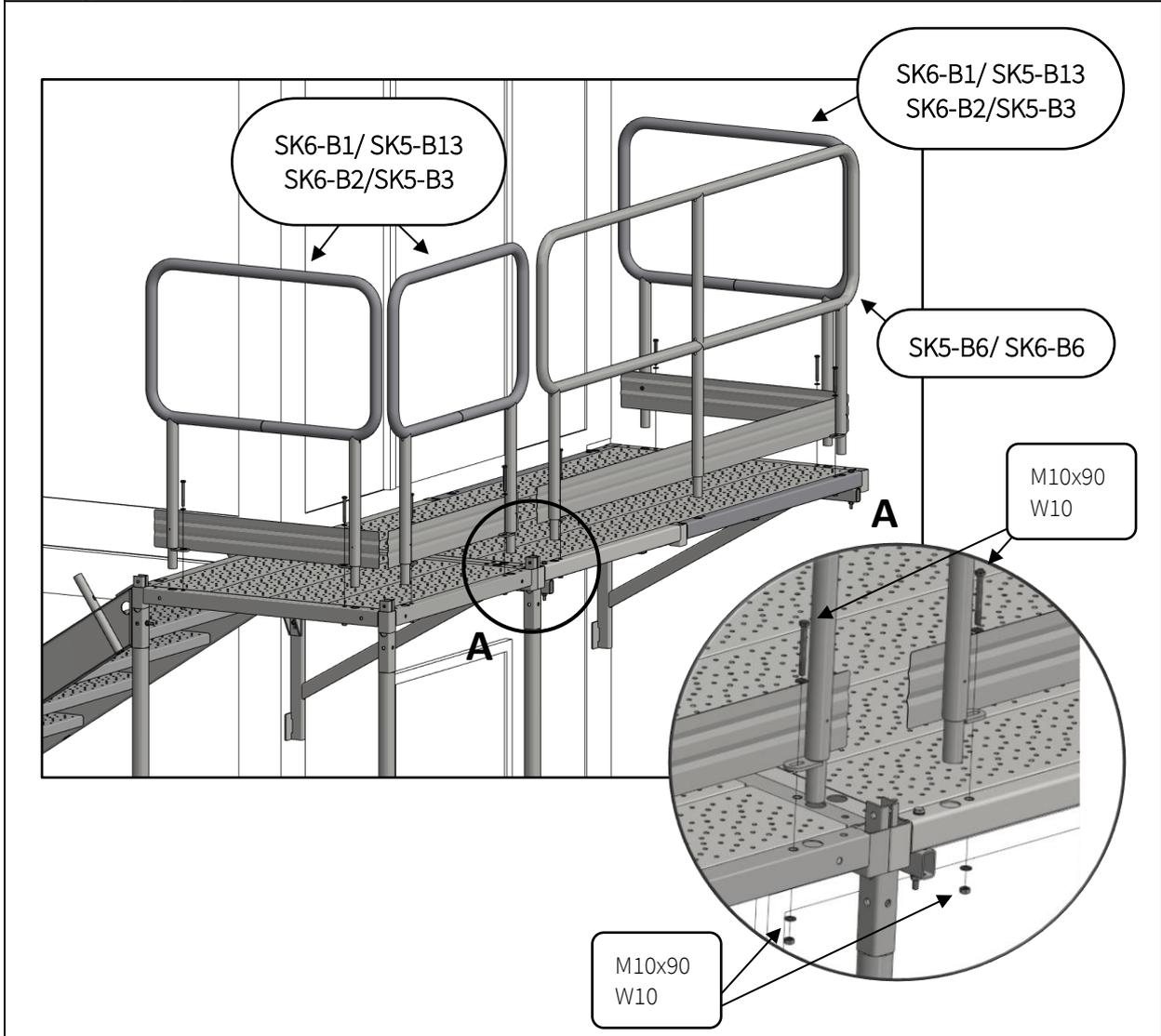


SK5-L2/SK5-L3/ SK5-L11/SK5-L12/ SK5-L16

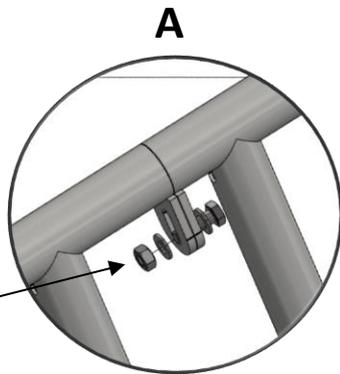
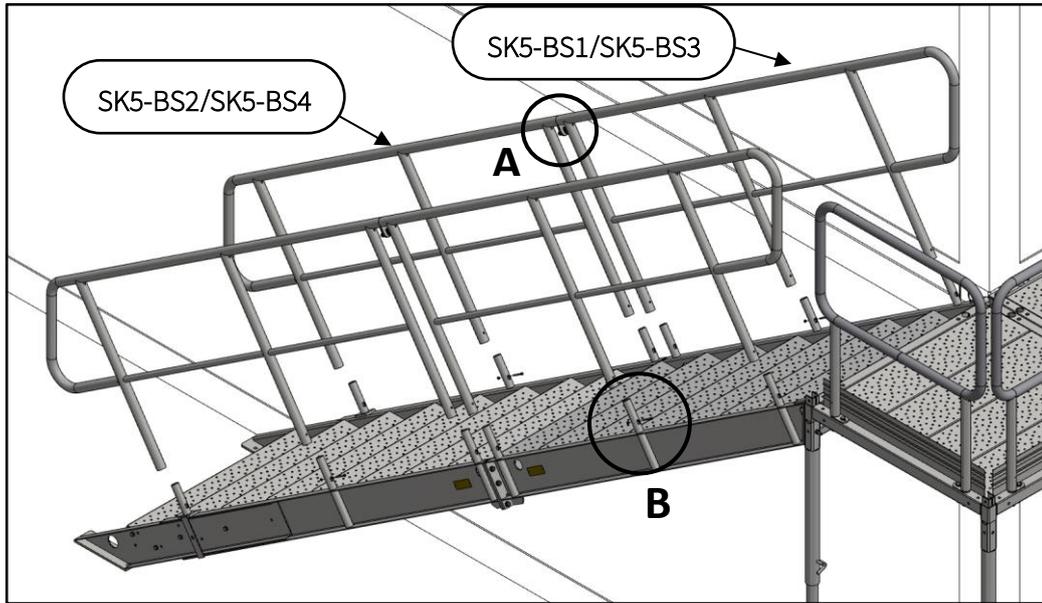


4.7. RAILING ASSEMBLY

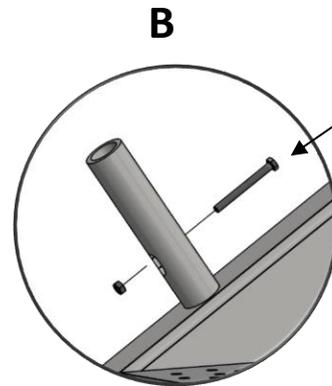
The railings are assembled by placing the railing in the platform socket, then screwing the railing to the platform with a set of screws, washers, nuts.



The stair railing is assembled by placing railing in the stair spindles, and then securing it with a bolt and nut set. To secure the barrier against pulling out, at least one screw per barrier should be used.

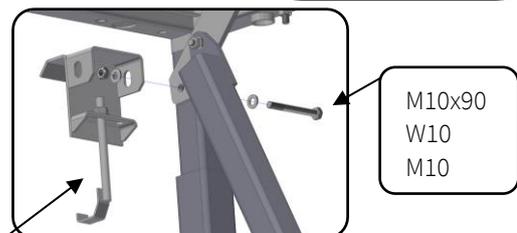
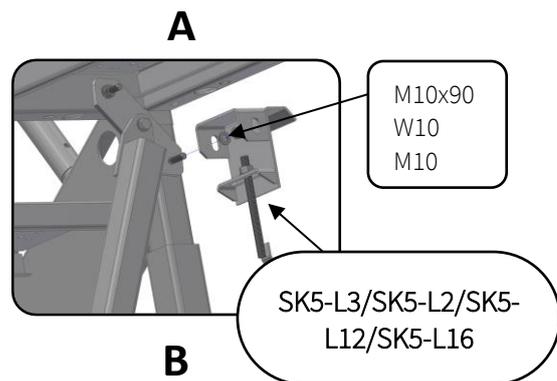
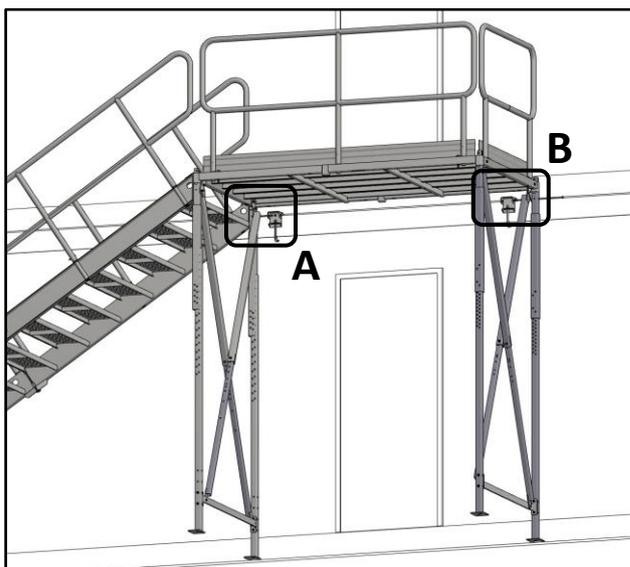
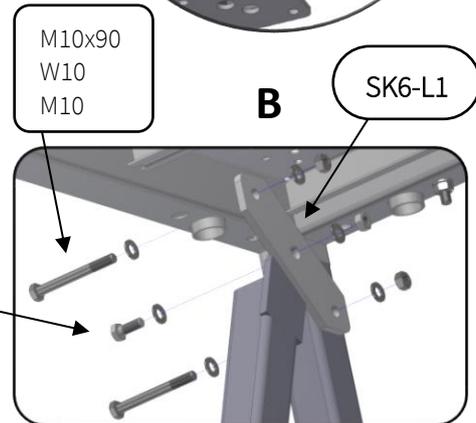
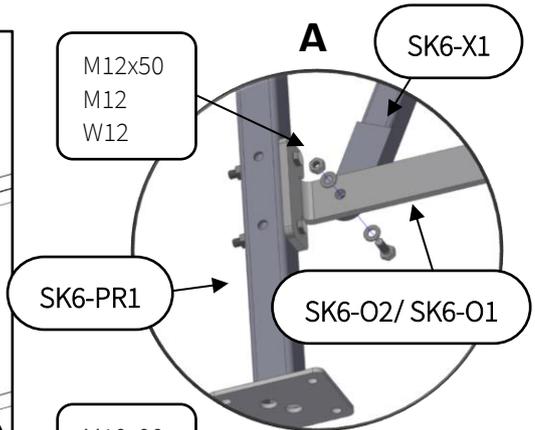
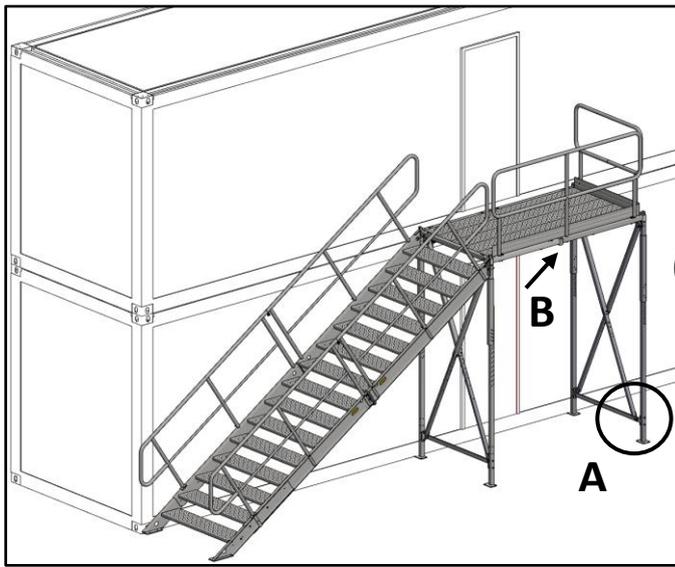


M10x30
M10
W10



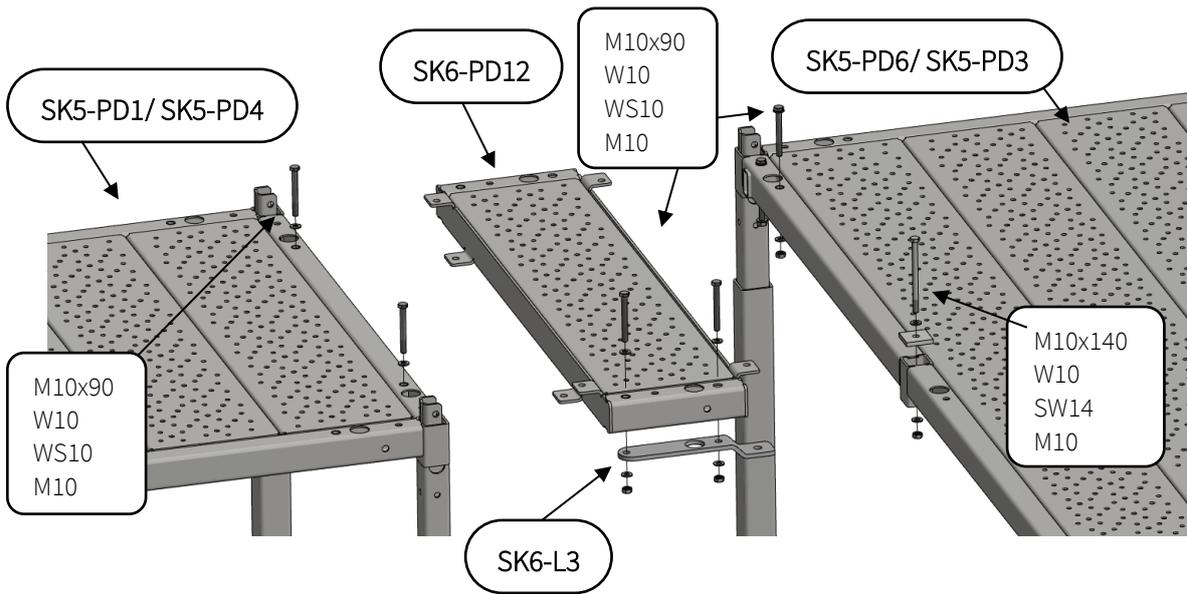
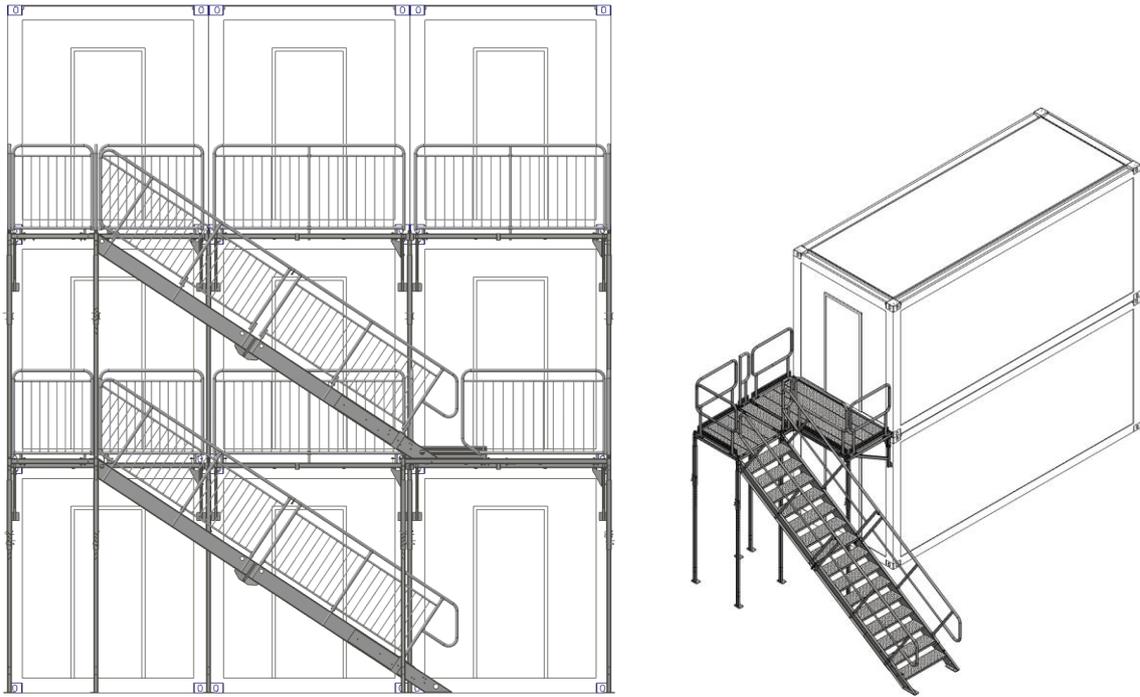
M6x60
M6

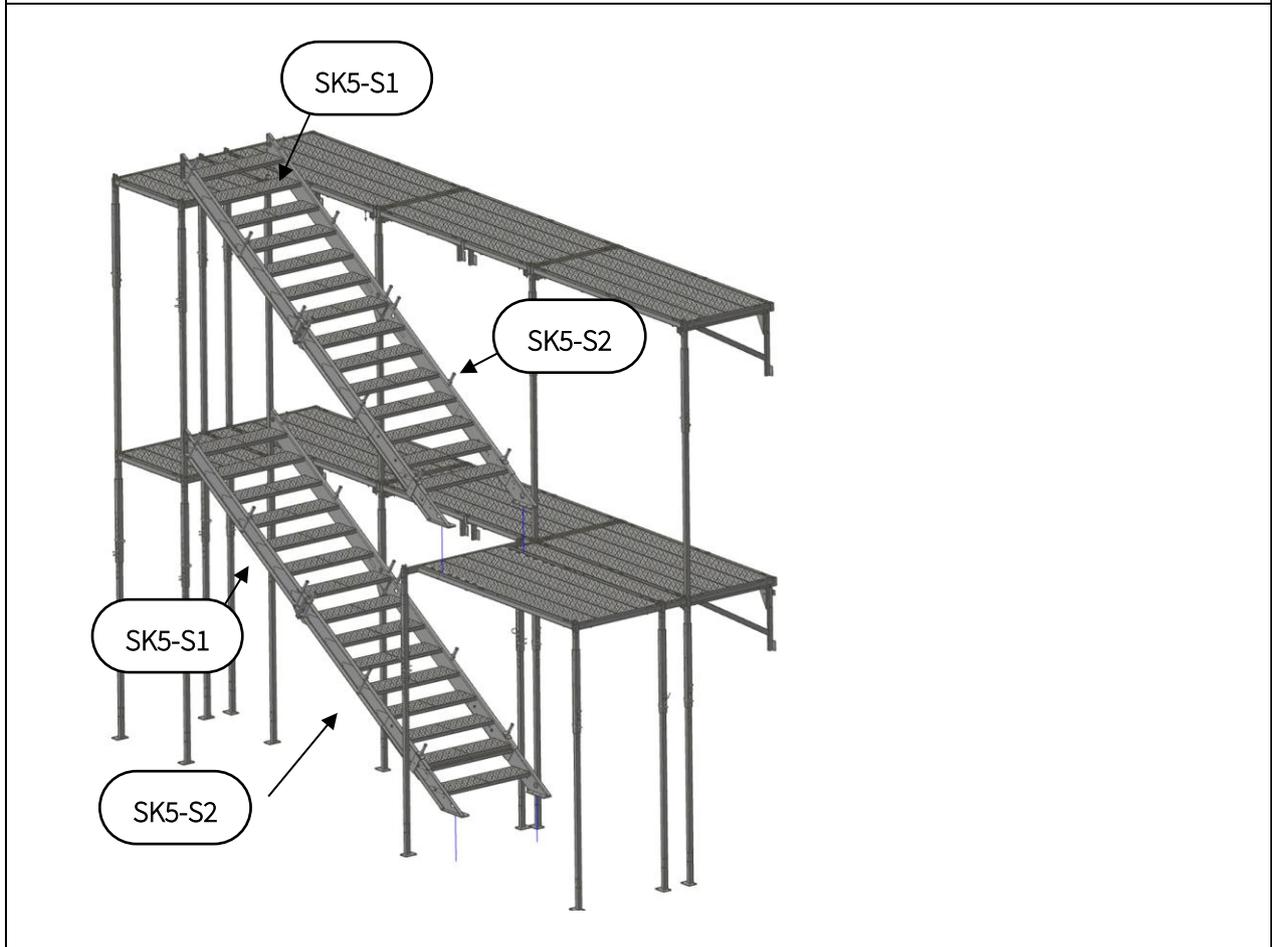
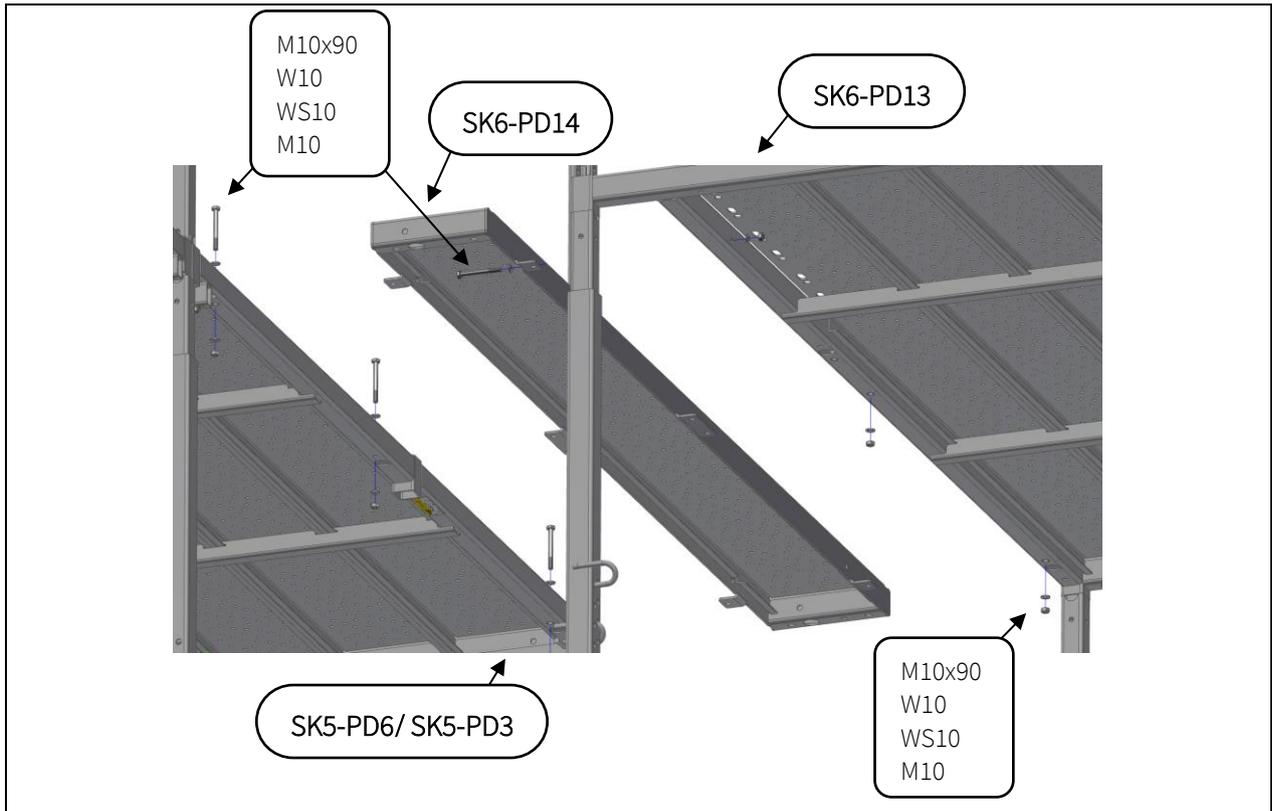
When the platforms are assembled only on posts, it is necessary to assemble the braces and screw them to the container frame with L2/L3/L11/L12/L16 connectors.

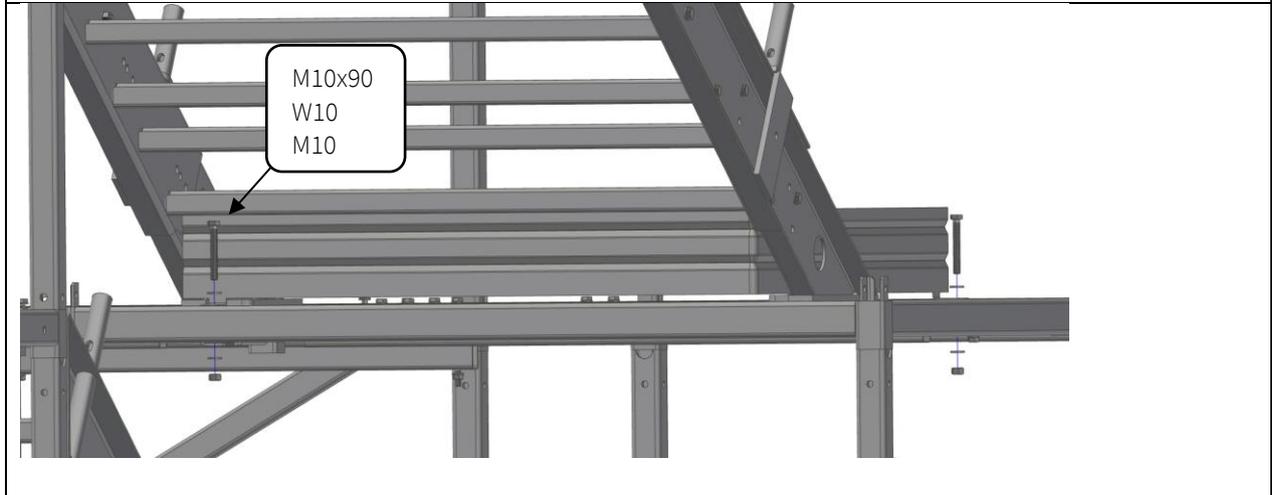
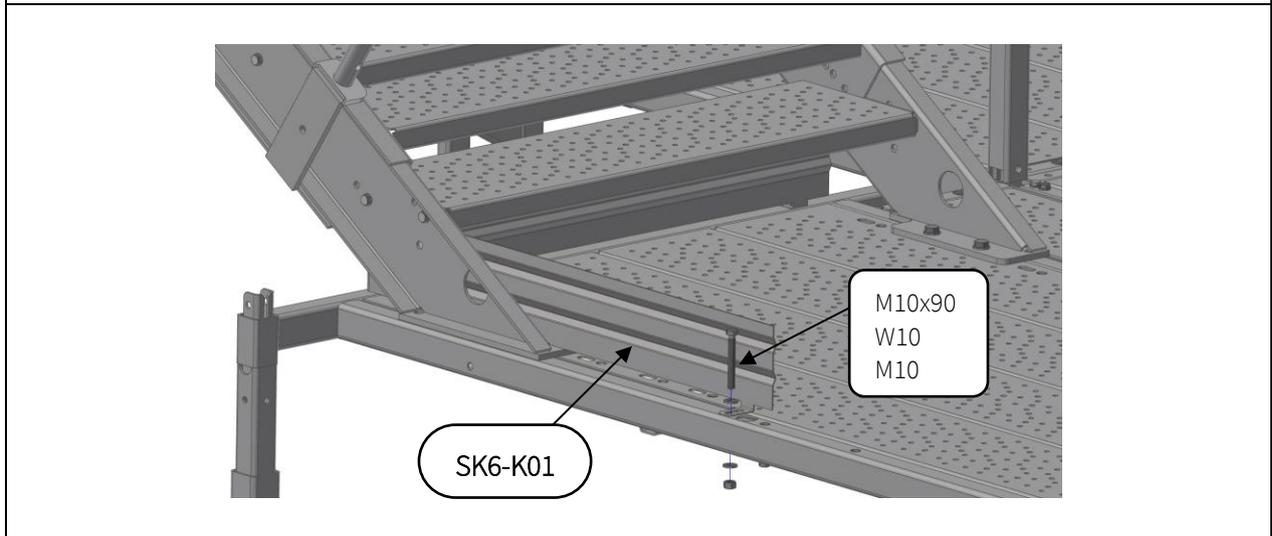
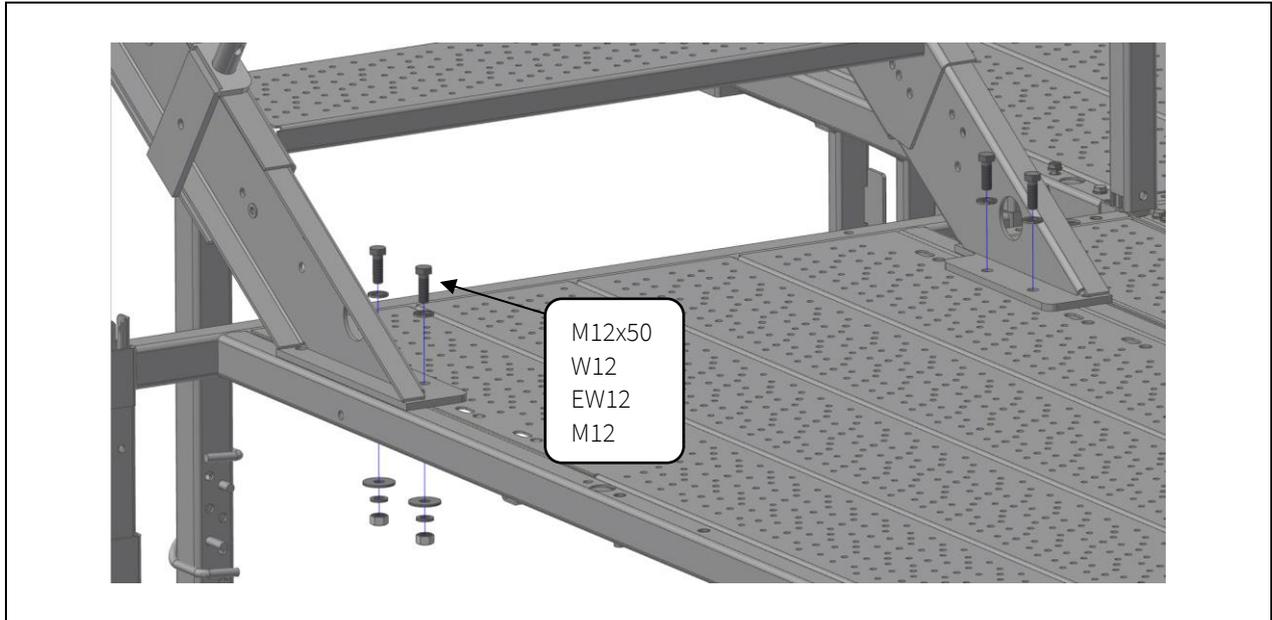


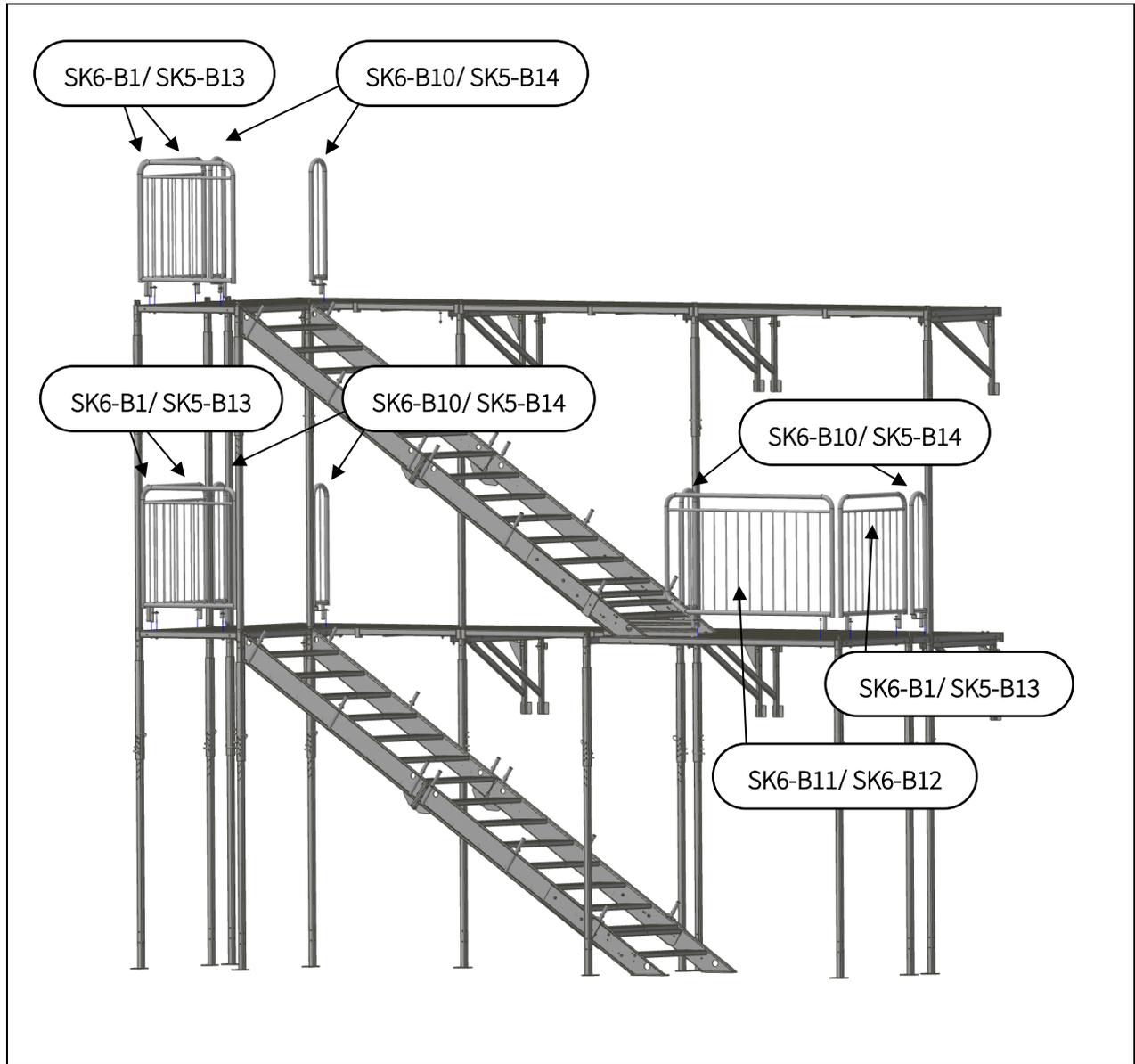
SK5-L3/SK5-L2/SK5-L12/SK5-L16

When assembling the configuration with the entry to the second level, the minimum required number of office containers is 9.

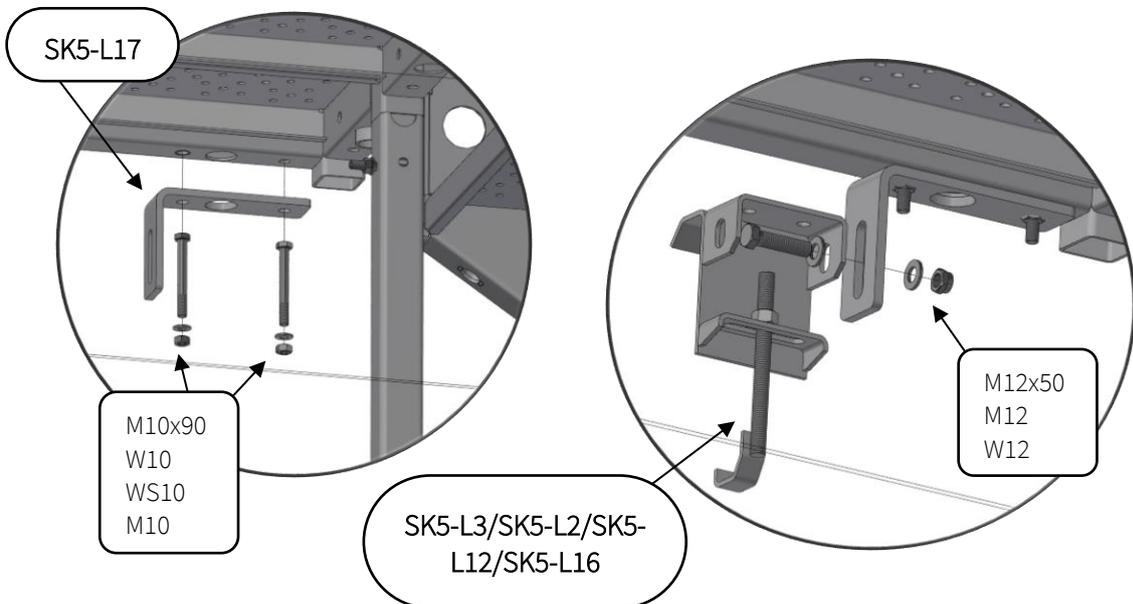
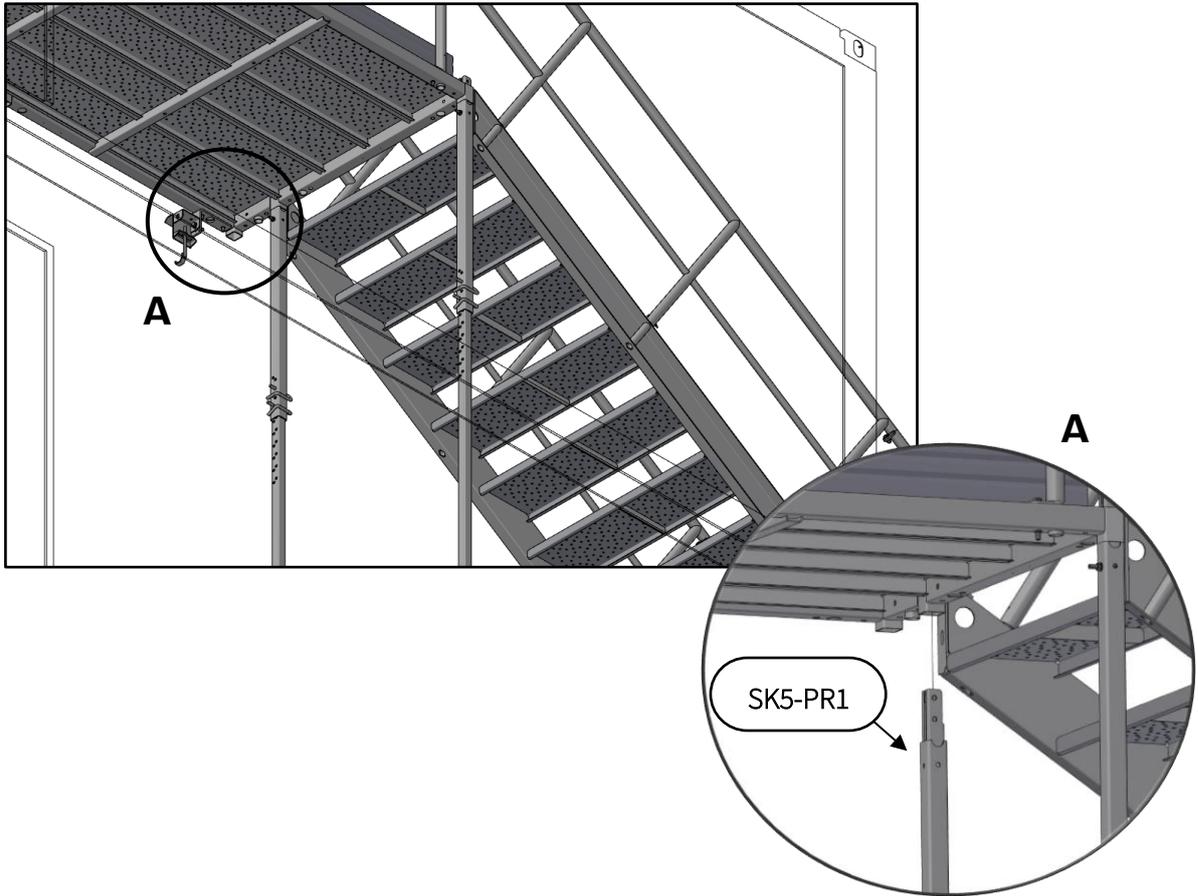






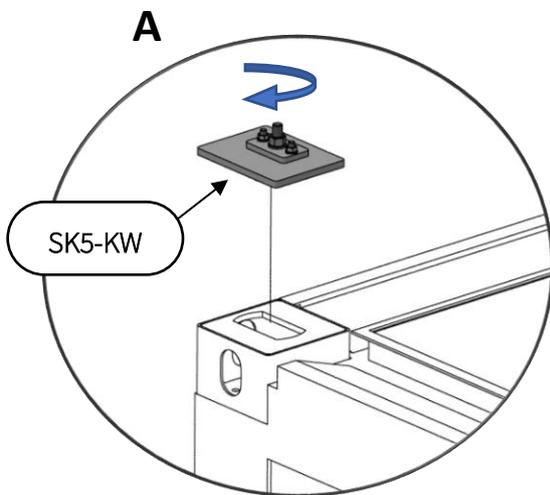
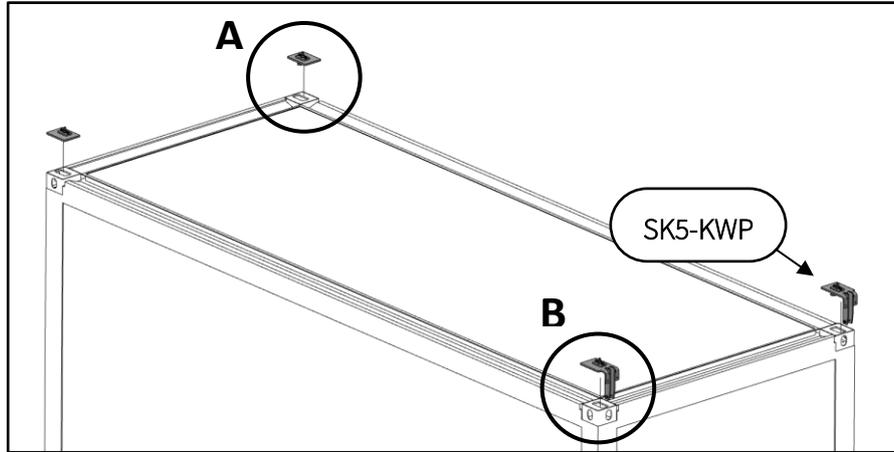


When assembling the SK6-P9 platform, the SK5-L17 connector should be used additionally.

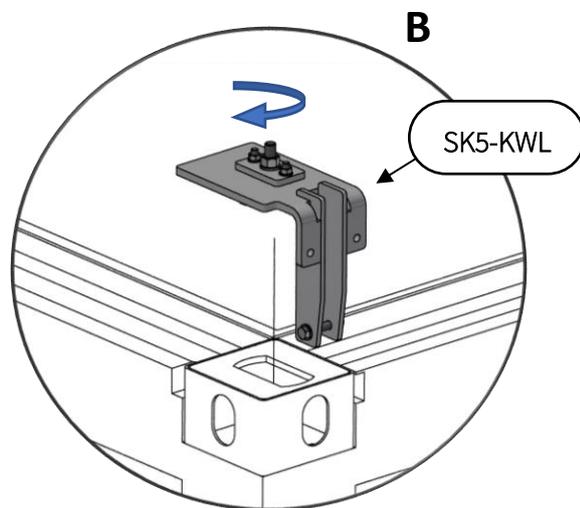


If it is necessary to reduce the load on the container socket, it is possible to use the SK5-KWP, SK5-KWL and SK5-KW bracket consoles. They replace the P-SK-ZW bracket clamp.

Once attached, the consoles should be secured by turning the central lock.



Mounting position



Secured position

