

Water Polo Team Bench (1514014)

Assembly Instructions

TOOLS AND EQUIPMENT REQUIRED

Hex key #5 (included)
 Hex key #6 (included)
 Flat spanner 13 (included)

TOOLS AND EQUIPMENT RECOMMENDED (OPTIONAL)

Cordless screwdriver with hex bits
 Blankets, soft lining or protection tiles (velour surface)

RECOMMENDED SAFETY CLOTHING (to be worn during the installation and maintenance)

Steel toe work boots
 Working gloves

1.	Frame 02	2		6.	Bottom seat frame	2	
2.	Frame 03	2		7.	Supporting profile	2	
3.	Frame 04	1		8.	Handrail	2	
4.	Frame 05	2		9.	Angle bracket	6	
5.	Frame 06	1		10.	Aluminum connector	1	

TOOLS AND EQUIPMENT REQUIRED

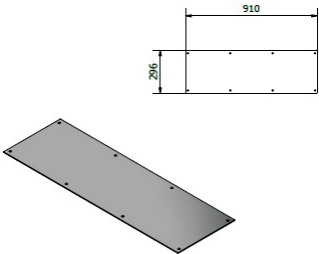
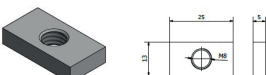
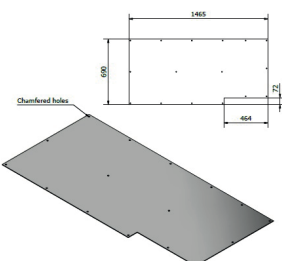

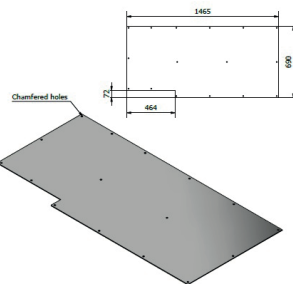

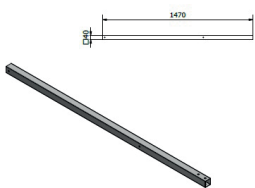

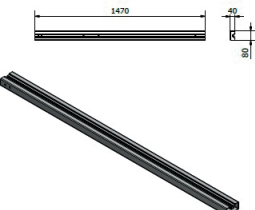





Hex key #5 (included)
 Hex key #6 (included)
 Flat spanner 13 (included)

TOOLS AND EQUIPMENT RECOMMENDED (OPTIONAL)

Cordless screwdriver with hex bits
 Blankets, soft lining or protection tiles (velour surface)

RECOMMENDED SAFETY CLOTHING (to be worn during the installation and maintenance)

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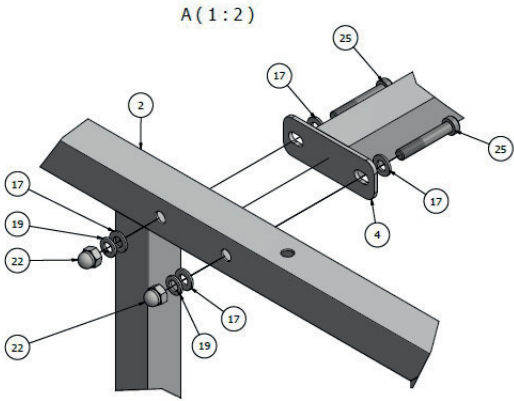
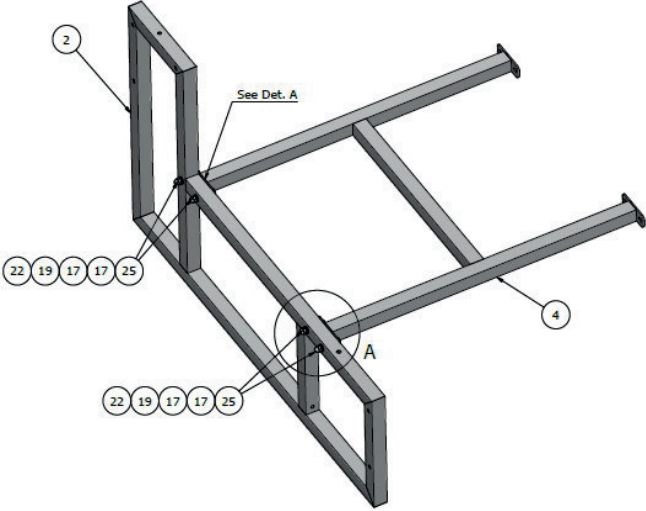
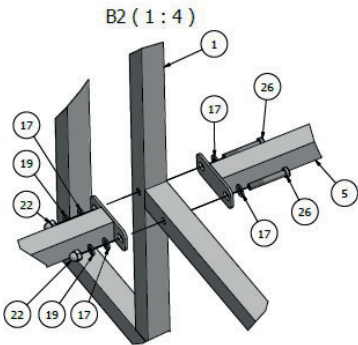
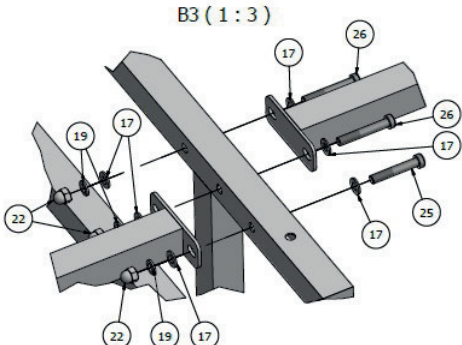
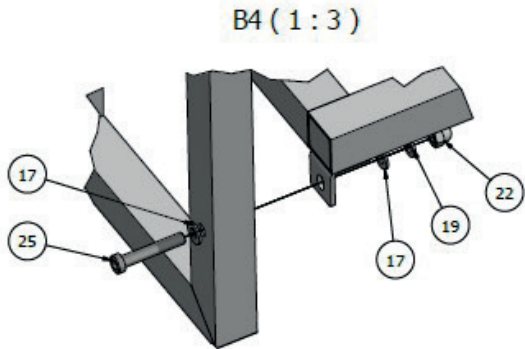
11.	Bottom checkered plate	1		16.	Rectangular nut M8	20	
12.	Upper checkered plate left	1		17.	Plastic seat	10	
13.	Upper checkered plate right	1		18.	Self-drilling screw, DIN 7504-P4 2x25	40	
14.	Supporting profile	2		19.	Hex socket button cap screw ISO 7380-1 M8x16	8	
15.	Seat frame	2		20.	Hex socket cap screw with low head DIN 6912 M8x20	20	
				21.	Hex socket cap screw with low head DIN 6912 M8x60	14	
				22.	Hex socket cap screw with low head DIN 6912 M10x60	26	
				23.	Hex socket cap screw with low head DIN 6912 M10x65	8	
				24.	Hex socket cap screw DIN 912 M10x90	8	

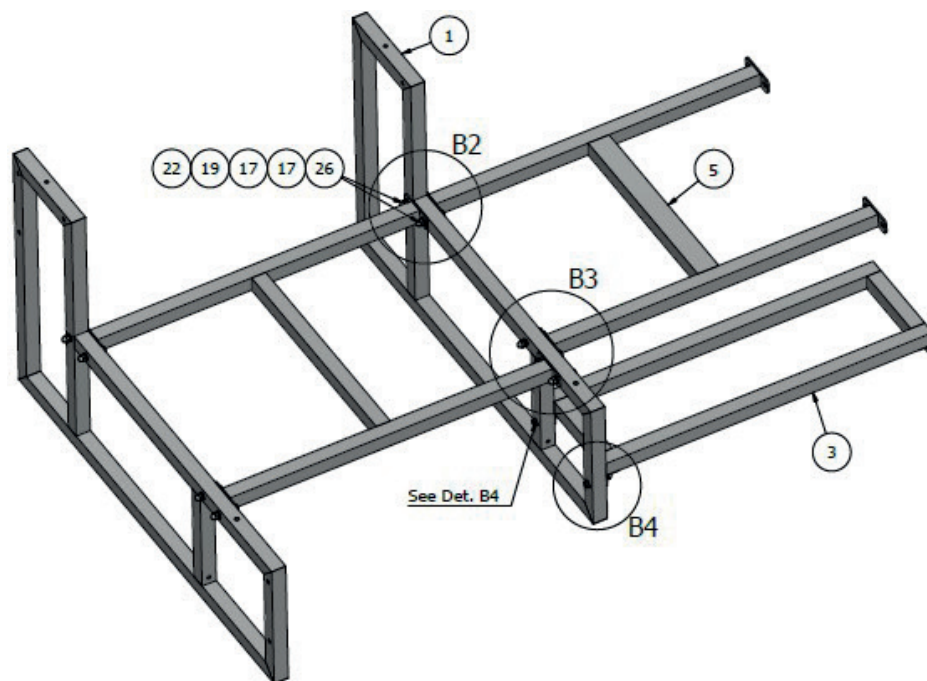
25.	DIN 1587 M8 cap nut	14		32.	Plastic plug 80x40	6	
26.	DIN 1587 M10 cap nut	42		33.	Plastic plug 40x40	6	
27.	DIN 125 A8,4 washer	8		34.	Plastic plug f35.	4	
28.	DIN 125 A10,5 washer	84		35.	del 35 Plastic hole plug f20	8	
29.	DIN 127 A8 washer	14		36.	Hex key #5	1	
30.	DIN 127 A10 washer	42		37.	Hex key #6	1	
31.	DIN 9021 A8,4 enlarged washer	32		38.	Flat spanner 13 mm	1	

I - Preparations

1.1	Prepare the tools and put on your necessary safety clothing
1.2	Cover the floor with blankets / soft lining / protection tiles in order to prevent eventual product or floor damages
1.3	Unpack the product and lay it down safely on the prepared floor
1.4	Check carefully if any of the delivered items are damaged or missing (a list of components can be found above)

Please Note: Once the bench is assembled correctly, and upon your next inspection (recommended approx. once a week) you should go over and retighten all bolts. Certain bolts can benefit from retightening and sometimes the additional application of a product like Loctite. Loctite, is like a glue, and will lock permanently the bolts in its position. Loctite can be purchased in most hardware stores.

Step 2 – Assembly the main frame Do not tighten all the screws yet. This must be done after all the assembly process is done.	
2.1 Start assembling the main frame using: 1) Frame 03 (2) – 1 pcs 2) Frame 05 (4) – 1 pcs 3) Hex socket cap screw with low head DIN 6912 M10x60 (25) – 4 pcs 4) DIN 125 A10,5 washer (17) – 8 pcs 5) DIN 127 A10 washer (19) – 4 pcs 6) DIN 1587 M10 cap nut (22) – 4 pcs See Det. A	 
2.2 Assembling the next frames Assemble the frames 02 (1), 06 (5) using: 1) Frame 02 (1) – 1 pcs 2) Frame 06 (5) – 1 pcs 3) Hex socket cap screw with low head DIN 6912 M10x65 (26) – 4 pcs 4) Hex socket cap screw with low head DIN 6912 M10x60 (25) – 1 pcs 5) DIN 125 A10,5 washer (17) – 10 pcs 6) DIN 127 A10 washer (19) – 5 pcs 7) DIN 1587 M10 cap nut (22) – 5 pcs See Det. B2, B3	Assemble the frame 04 (3) using: 1) Frame 04 (3) – 1 pcs 2) Hex socket cap screw with low head DIN 6912 M10x65 (25) – 2 pcs 3) DIN 125 A10,5 washer (17) – 4 pcs 4) DIN 127 A10 washer (19) – 2 pcs 5) DIN 1587 M10 cap nut (22) – 2 pcs See Det. B4
 	



2.3 Assembling the next frames

Assemble the frames 02 (1), 06 (5) using:

- 1) Frame 02 (1) – 1 pcs
- 2) Frame 06 (5) – 1 pcs
- 3) Hex socket cap screw with low head
DIN 6912 M10x65 (26) – 4 pcs
- 4) Hex socket cap screw with low head
DIN 6912 M10x60 (25) – 1 pcs
- 5) DIN 125 A10,5 washer (17) – 10 pcs
- 6) DIN 127 A10 washer (19) – 5 pcs
- 7) DIN 1587 M10 cap nut (22) – 5 pcs

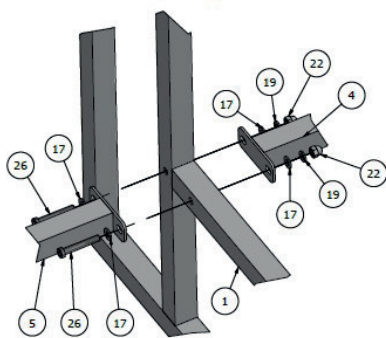
See Det. C2, C3

Assemble the frame 04 (3) using:

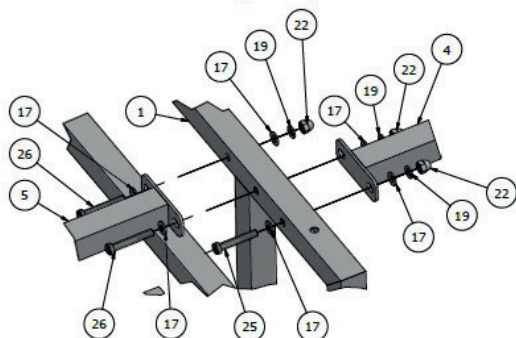
- 1) Frame 04 (3) – 1 pcs
- 2) Hex socket cap screw with low head
DIN 6912 M10x65 (25) – 2 pcs
- 3) DIN 125 A10,5 washer (17) – 4 pcs
- 4) DIN 127 A10 washer (19) – 2 pcs
- 5) DIN 1587 M10 cap nut (22) – 2 pcs

See Det. C4

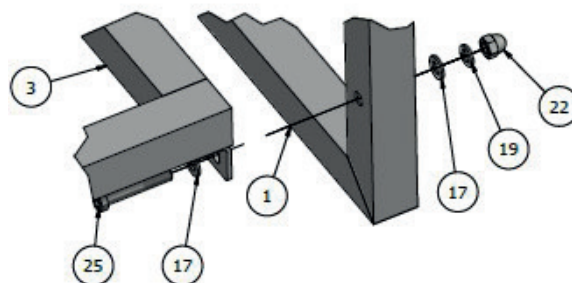
C2 (1 : 4)

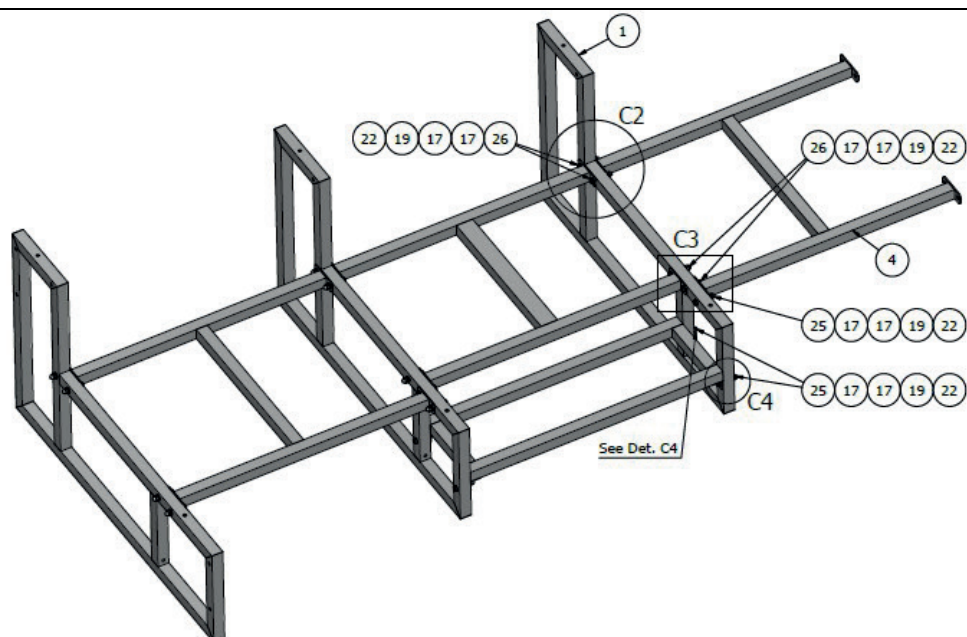


C3 (1 : 4)



C4 (1 : 3)





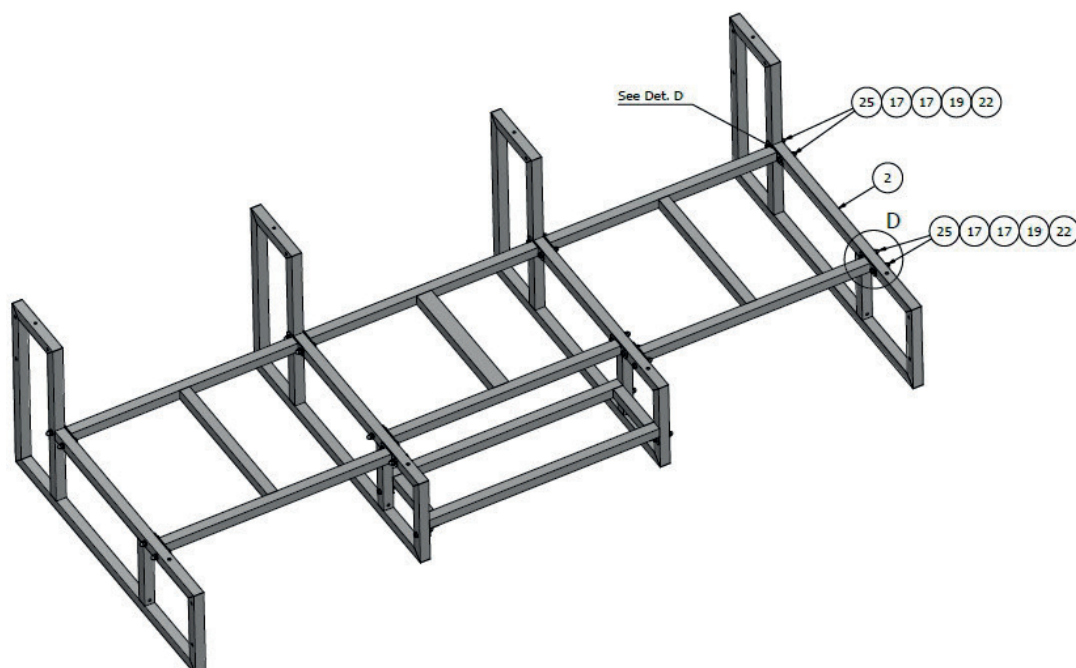
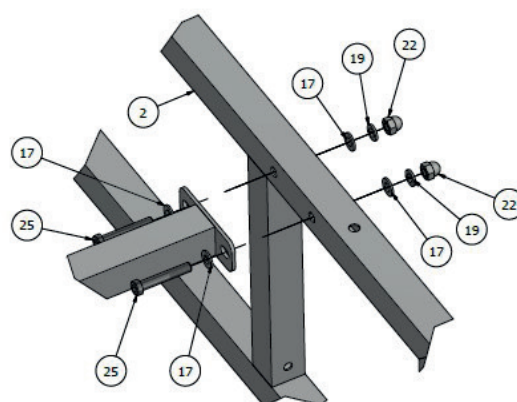
2.4 Assembling the end frame

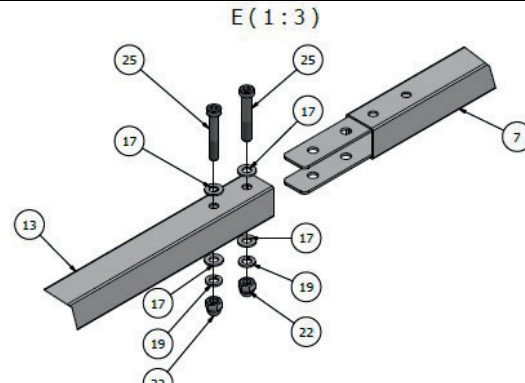
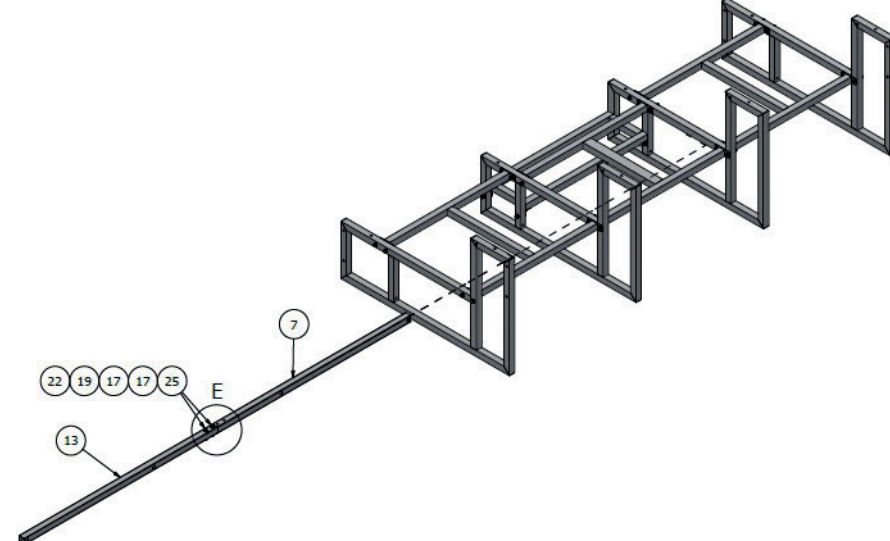
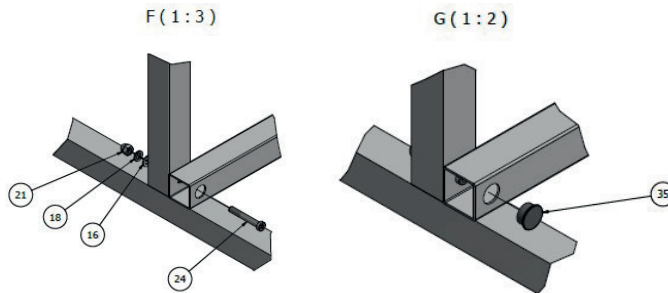
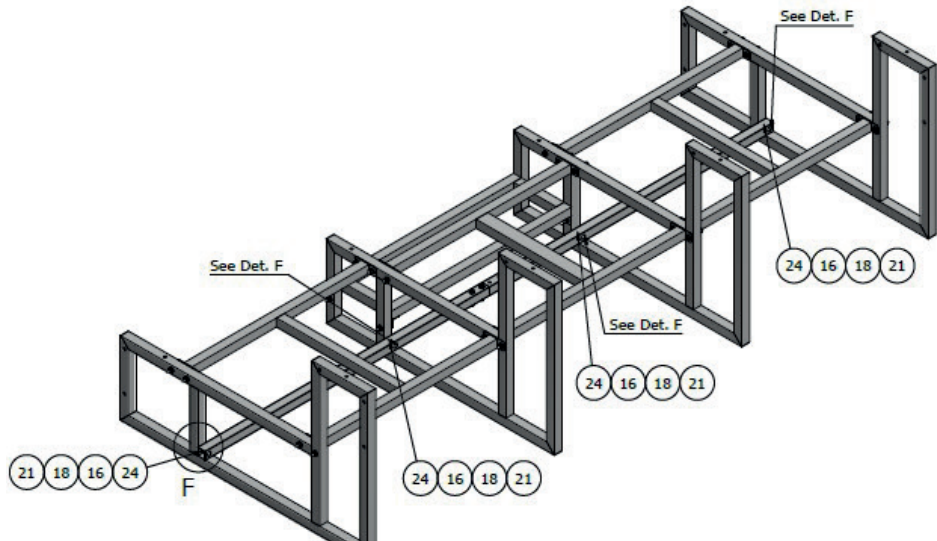
Assemble the end frame 03 (2) using:

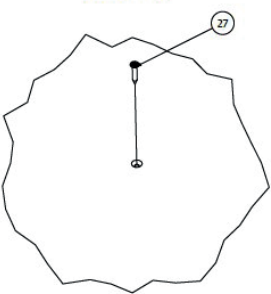
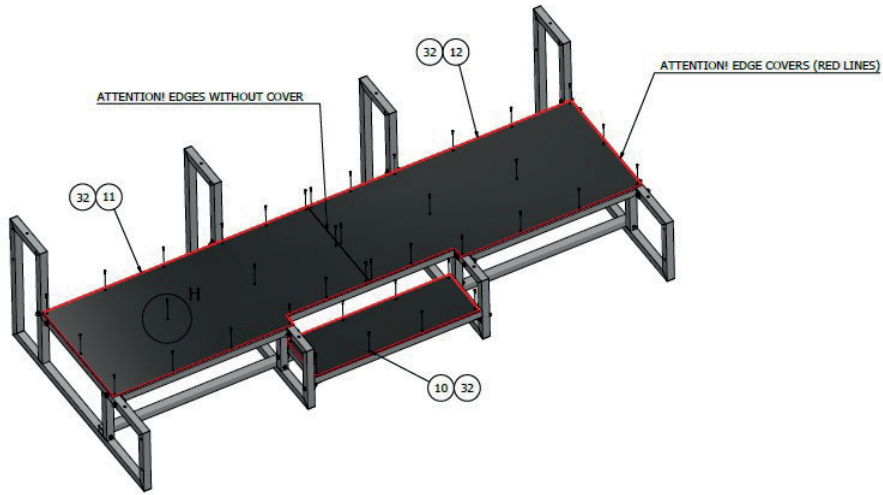
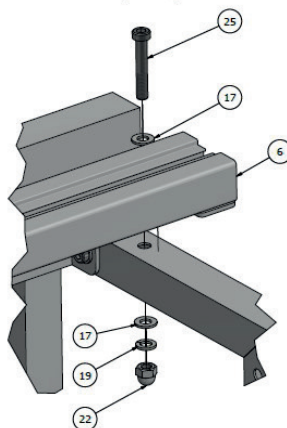
- 1) Frames 03 (2) – 1 pcs
- 2) Hex socket cap screw with low head
DIN 6912 M10x60 (25) – 4 pcs
- 3) DIN 125 A10,5 washer (17) – 8 pcs
- 4) DIN 127 A10 washer (19) – 4 pcs
- 5) DIN 1587 M10 cap nut (22) – 4 pcs

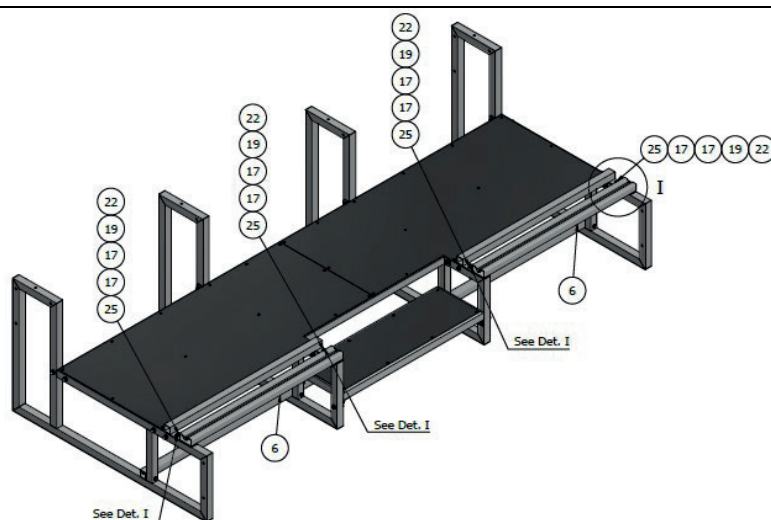
See Det. D

D (1:3)



<p>2.5 Attaching the supporting profile</p> <p>Connect two parts of supporting profile and put it in the place indicated by the dashed line:</p> <ol style="list-style-type: none"> 1) Supporting profile (7) – 1 pcs 2) Supporting profile (13) – 1 pcs 3) Hex socket cap screw with low head DIN 6912 M10x60 (25) – 2 pcs 4) DIN 125 A10,5 washer (17) – 4 pcs 5) DIN 127 A10 washer (19) – 2 pcs 6) DIN 1587 M10 cap nut (22) – 2 pcs <p>See Det. E</p>	<p>E (1 : 3)</p> 
	
<p>Connect the supporting profile to the pre-installed main frame:</p> <ol style="list-style-type: none"> 1) Hex socket cap screw with low head DIN 6912 M8x60 (24) – 4 pcs 2) DIN 125 A8,4 washer (16) – 8 pcs 3) DIN 127 A8 washer (18) – 4 pcs 4) DIN 1587 M8 cap nut (21) – 4 pcs <p>See Det. F</p> <p>After that cover up all mounting holes by:</p> <ol style="list-style-type: none"> 1) hole plug fi20 (35) – 4 pcs <p>See Det. G</p>	<p>F (1 : 3)</p> <p>G (1 : 2)</p> 
	<p>See Det. F</p> <p>See Det. F</p> <p>See Det. F</p>

Step 3 – Assembly the checkered plates	
<p>3.1 Please check if plates are properly secured with the edge covers (32)</p> <p>Put the checkered plates (10, 11, 12) on the main frame and screw using:</p> <ol style="list-style-type: none"> 1) Bottom checkered plate (10) – 1 pcs 2) Left upper checkered plate (11) – 1 pcs 3) Right upper checkered plate (12) – 1 pcs 4) Self-drilling screw DIN 7504-P 4,2x25 (27) – 40 pcs 	<p>H (1 : 2)</p> 
	
Step 4 – Assembly the seats	
<p>4.1 Assembling the bottom seat frames</p> <p>Assemble the seat frame (6) using:</p> <ol style="list-style-type: none"> 1) Hex socket cap screw with low head DIN 6912 M10x60 (25) – 4 pcs 2) DIN 125 A10,5 washer (17) – 8 pcs 3) DIN 127 A10 washer (19) – 4 pcs 4) DIN 1587 M10 cap nut (22) – 4 pcs <p>See Det. I</p>	<p>I (1 : 2)</p> 

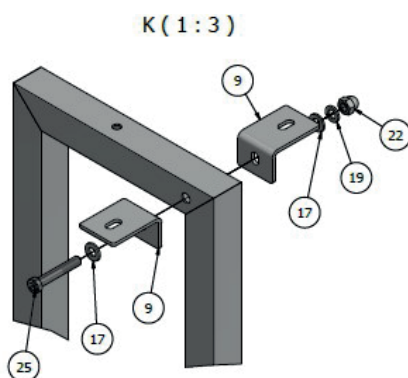


4.2 Assembling the upper seat frame

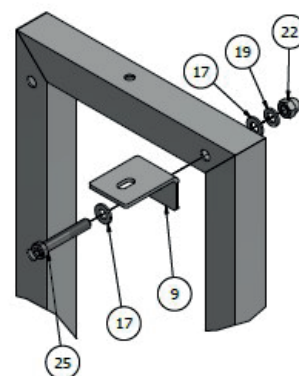
Assemble the angle brackets (9) using:

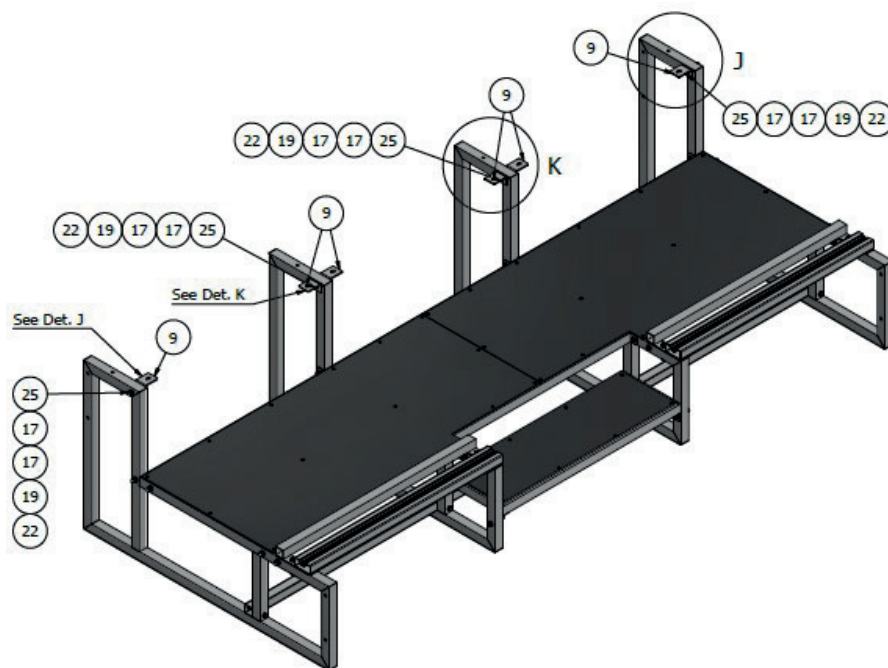
- 1) Angle brackets (9) – 6 pcs
- 2) Hex socket cap screw with low head
DIN 6912 M10x60 (25) – 4 pcs
- 3) DIN 125 A10,5 washer (17) – 8 pcs
- 4) DIN 127 A10 washer (19) – 4 pcs
- 5) DIN 1587 M10 cap nut (22) – 4 pcs

See Det. J, K



J (1:3)

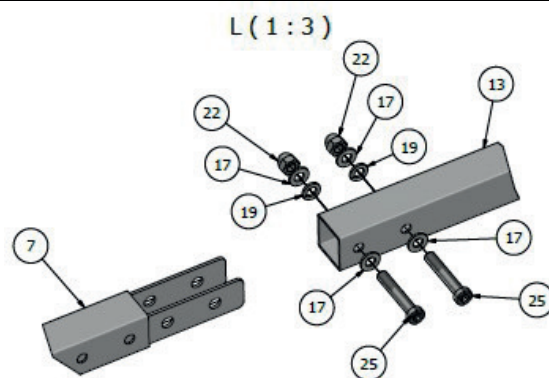


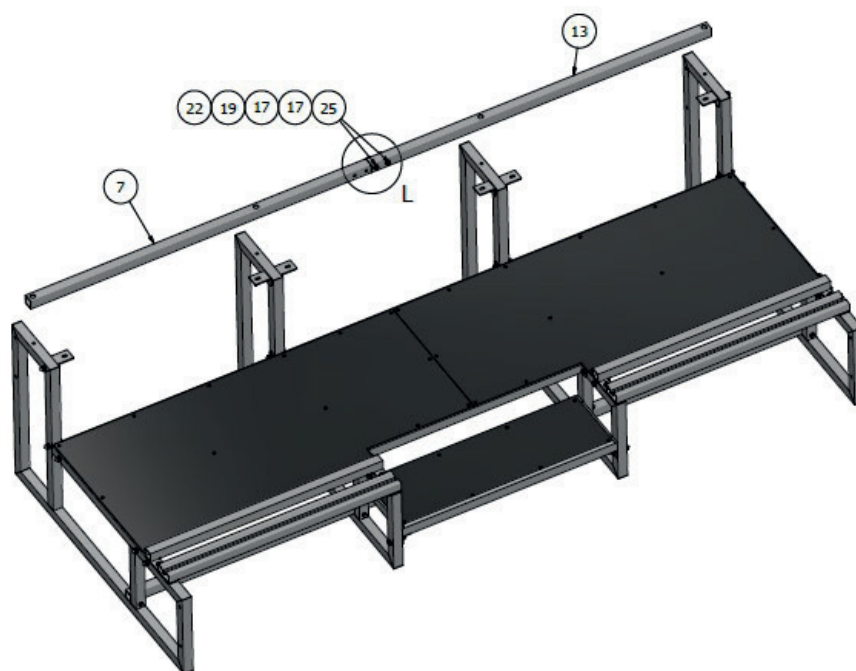


Connect two parts of the upper supporting profile:

- 1) Supporting profile (7) – 1 pcs
- 2) Supporting profile (13) – 1 pcs
- 3) Hex socket cap screw with low head
DIN 6912 M10x60 (25) – 2 pcs
- 4) DIN 125 A10,5 washer (17) – 4 pcs
- 5) DIN 127 A10 washer (19) – 2 pcs
- 6) DIN 1587 M10 cap nut (22) – 2 pcs

See Det. L



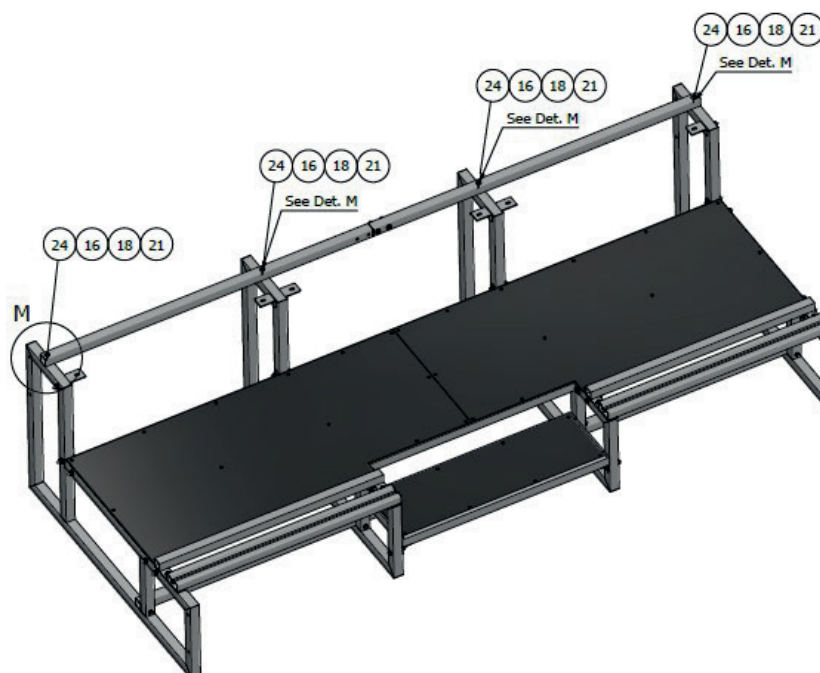
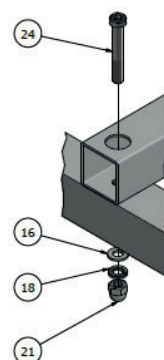


Connect the supporting profile and the main frame using:

- 1) Hex socket cap screw with low head
DIN 6912 M8x60 (24) – 4 pcs
- 2) DIN 125 A8,4 washer (16) – 8 pcs
- 3) DIN 127 A8 washer (18) – 4 pcs
- 4) DIN 1587 M8 cap nut (21) – 4 pcs

See Det. M

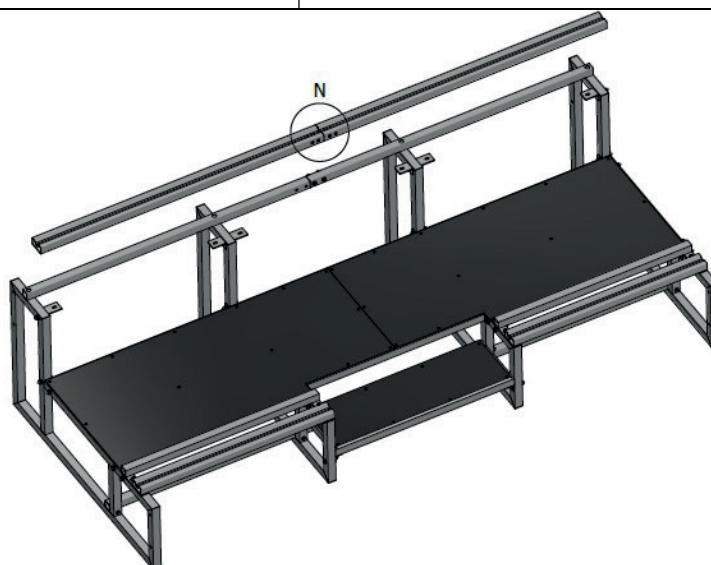
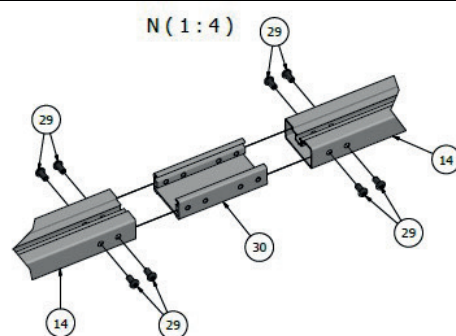
M (1 : 2)



Connect two parts of the upper seat frame:

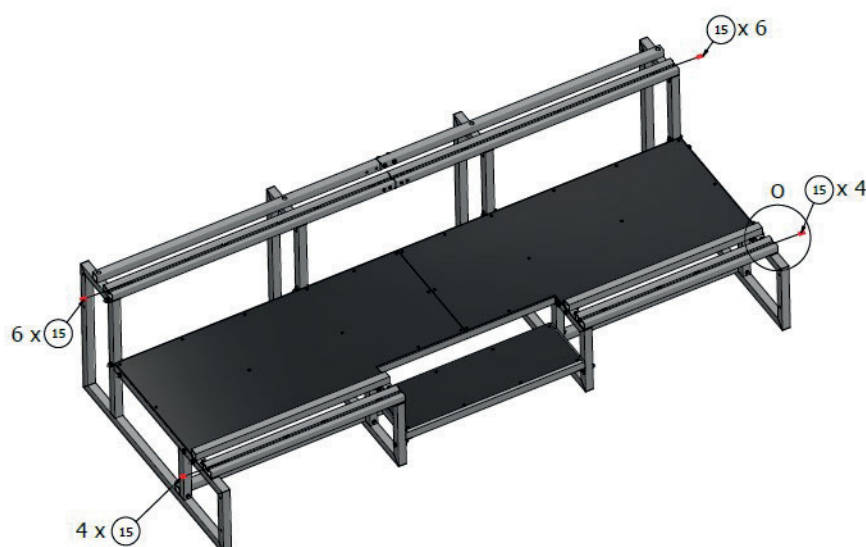
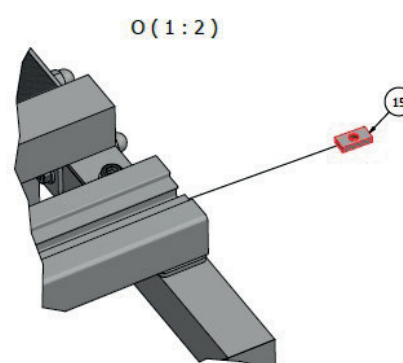
- 1) Seat frame (14) – 2 pcs
- 2) Hex socket button cap screw
ISO 7380-1 M8x16 (29) – 8 pcs
- 3) Aluminum connector (30) – 1 pcs

See Det. N



Next put it on the main frame and **place additional rectangular nut M8 into the groove of the profile to be used later!**

- 1) Rectangular nut M8 (15) – 20 pcs



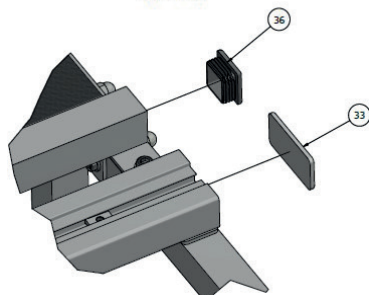
Selected When it Counts

After that assemble the plugs:

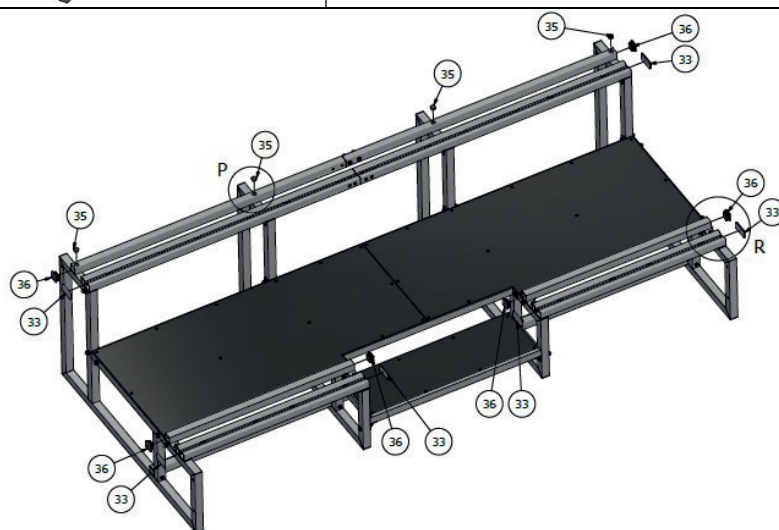
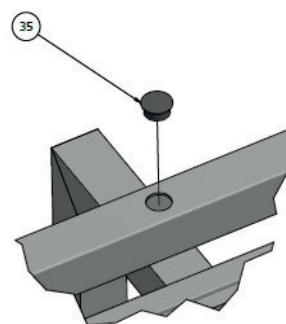
- 1) hole plug fi20 (35) – 4 pcs
- 2) plug 40x40 (36) – 4 pcs
- 3) plug 80x40 (33) – 4 pcs

See Det. P, R

R (1 : 2)



P (1 : 2)

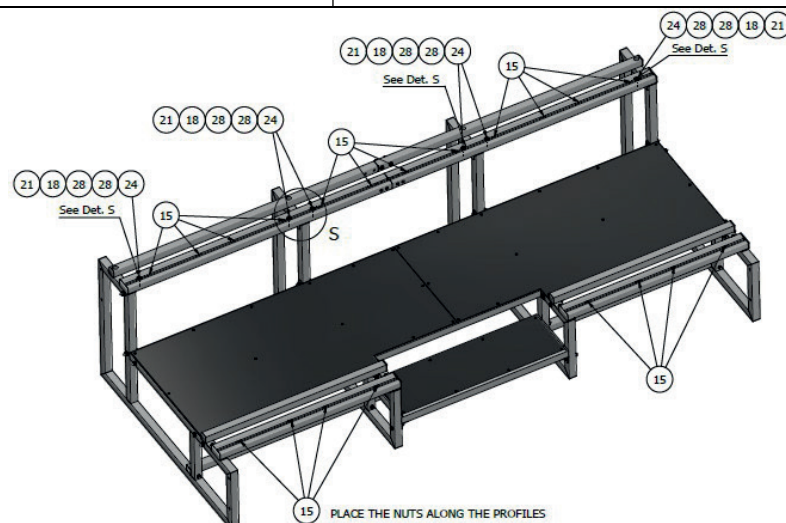
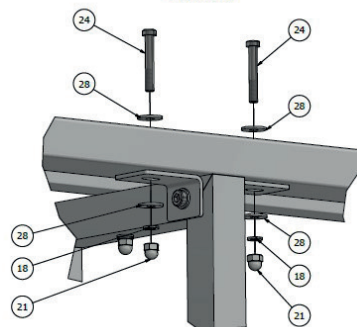


Assemble the upper seat frame using:

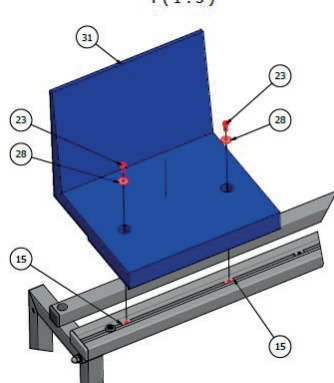

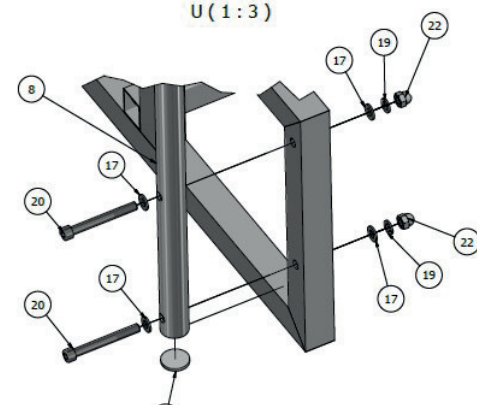
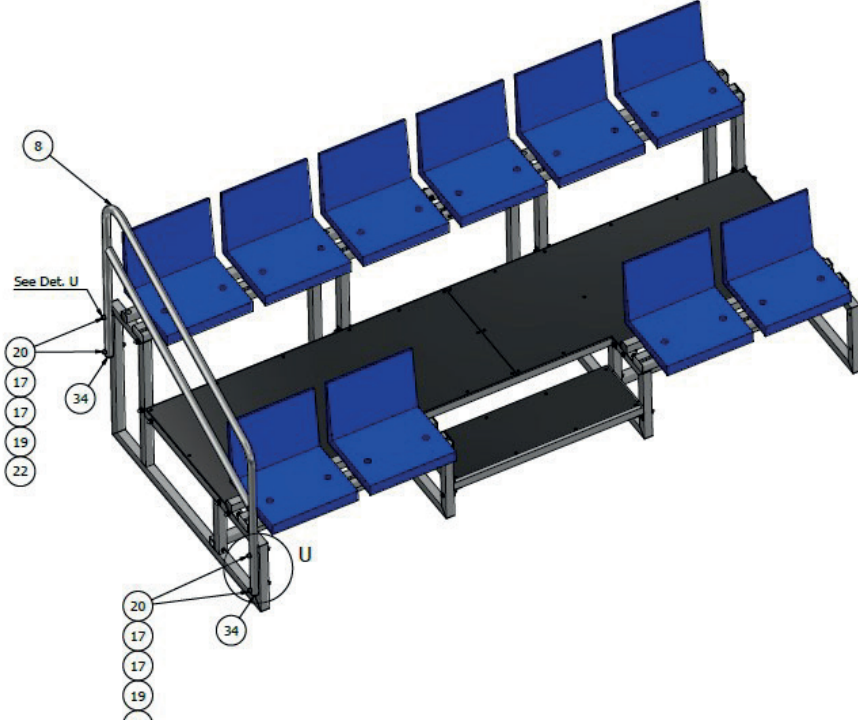
- 1) Hex socket cap screw with low head DIN 6912 M8x60 (24) – 6 pcs
- 2) DIN 9021 8,4 washer (28) – 12 pcs
- 3) DIN 127 A8 washer (18) – 6 pcs
- 4) DIN 1587 M8 cap nut (21) – 6 pcs

See Det. S

S (1 : 2)



Selected When it Counts

<p>4.3 Assembling the seats</p> <p>Assemble the seats (31) using:</p> <ol style="list-style-type: none"> 1) Seat (31) – 10 pcs 2) Hex socket cap screw with low head DIN 6912 M8x20 (23) – 20 pcs 3) DIN 9021 8,4 washer (28) – 20 pcs <p>See Det. T</p> <p style="text-align: center;">T (1 : 5)</p> 	
<p>Step 5 – Assembly the handrails</p> <p>5.1 Assembling the left handrail</p> <p>Assemble the left handrail (8) using:</p> <ol style="list-style-type: none"> 1) Handrail (8) – 1 pcs 2) Hex socket cap screw DIN 912 M10x90 (25) – 4 pcs 3) DIN 125 A10,5 washer (17) – 8 pcs 4) DIN 127 A10 washer (19) – 4 pcs 5) DIN 1587 M10 cap nut (22) – 4 pcs <p>Cover the ends of the pipe by:</p> <ol style="list-style-type: none"> 1) Plug fi35 (34) – 2 pcs <p>See Det. U</p>	<p style="text-align: center;">U (1 : 3)</p> 
	

5.2 **Assembling the right handrail**

Assemble the right handrail (8) using:

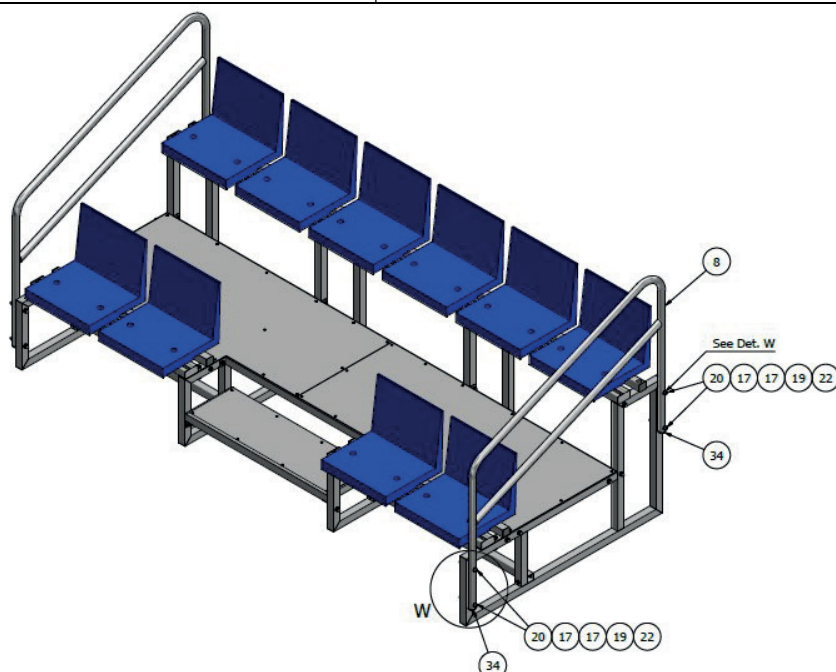
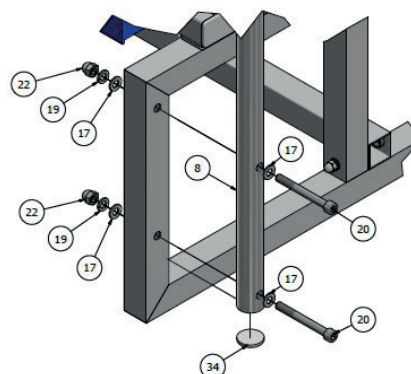
- 6) Handrail (8) – 1 pcs
- 7) Hex socket cap screw
DIN 912 M10x90 (25) – 4 pcs
- 8) DIN 125 A10,5 washer (17) – 8 pcs
- 9) DIN 127 A10 washer (19) – 4 pcs
- 10) DIN 1587 M10 cap nut (22) – 4 pcs

Cover the ends of the pipe by:

- 2) Plug fi35 (34) – 2 pcs

See Det. W

W (1 : 3)



III. Maintenance and Service

To ensure long-lasting and safe use of the equipment, periodical inspections are required:

- Every time before using the equipment:
- Visually check if there are any parts damaged or missing
- Check if all the devices are installed correctly and secured to prevent tilting/moving
- Every 6 months a detailed check-up of the equipment is required:
Visual checkup if any deformities, damages, missing or worn out parts have occurred. Tighten all assembly nodes (in order to make sure that all screws and nuts are tightened).

Care and Usage Instruction:

- Only use tools delivered with the bench for periodical tightening of the screws, otherwise the bolts and nuts may corrode.
- If any atypical signs are noticed (for instance squeaky noises, missing elements, or visual damages) immediately stop further usage of the equipment and report the problem to the manufacturer or its authorized distributor.

WARNING:

Storage and usage shall be so that no unauthorized person or child can accidentally be injured by a falling or tilting bench. THIS IS NOT A TOY !



IV. TERMS OF WARRANTY								
1	General Provisions							
1.1	M. MALMSTEN AB (the “Manufacturer”) provides the limited warranty (the “Warranty”) to the purchaser of the Equipment. Warranty is only valid in the facility in which the Equipment was originally installed. The Warranty is valid from the time of the final acceptance of the building or from the date of delivery and to the timeline listed below, under the terms and conditions stated below.							
	<table> <tr> <th>No.</th><th>Element</th><th>Warranty</th></tr> <tr> <td>1</td><td>1514014 Water Polo Team Bench</td><td>12 months</td></tr> </table>	No.	Element	Warranty	1	1514014 Water Polo Team Bench	12 months	
No.	Element	Warranty						
1	1514014 Water Polo Team Bench	12 months						
1.2	The manufacturer warrants the Equipment against defects in material or factory workmanship which is caused by failure of the Equipment within the applicable Warranty Period.							
1.3	In case of a defect discovered, the purchaser is obtained to immediately (not later than after 7 days) inform the manufacturer or authorized distributor about the problem. The manufacturer or its authorized distributor will answer within 14 days and will propose a way to solve the issue.							
1.4	The purchaser is obtained to provide information about failures or defects in writing to info@malmsten.com or to a local authorized distributor.							
1.5	The information about warranty claims should include the serial number, description of the issue and date of discovering of the defect. Photographic documentation will be required.							
1.6	The manufacturer/distributor, once it confirms the existence of a covered defect will (at its sole discretion) repair or replace the defective parts.							
1.7	Defects or damages that occurred during proper use will be repaired or replaced by the manufacturer or by the authorized distributor.							
1.8	The warranty covers the costs of investigation, production and shipping. Disassembly of the damaged and installation of the new/repaired part/parts is not covered.							

WARNING:

All unauthorized (not provided by the distributor or manufacturer) self-repairs, adjustments or interferences in the equipment can cause irreparable damages and dangerous accidents.



2	Exclusions and Conditions:
	<ul style="list-style-type: none"> • Operations, which shall be made by the user and on his cost, such as maintenance of cleanliness, periodical checkups (as in point 2.1) • Mechanical and chemical damages caused by improper use and maintenance (i.e. attempts of self-repair; lack of maintenances and inspections; using inadequate cleaning agents, adjustments made by the user) • Mechanical damages caused by the excessive burden on the equipment • Damages caused by the user or third party (including acts of vandalism) hang, swing or climb on the equipment • Consumable parts • Damages caused by operation of the equipment by non-authorized persons • Installation of the equipment not performed in accordance with the assembly manual • Damages caused by natural disasters such as floods, fire, wind, lightening or other acts of nature • Damages caused by usage not in accordance with equipment destination
3	Post-warranty Services
3.1	After the warranty expires, it is recommended to order a professional post-warranty service performed by the authorized distributor once every 12 months in order to make sure, that the equipment is in good condition and can be used safely.
3.2	In case of a failure discovered after the time of warranty, the user might inform the manufacturer or it's authorized distributor about the problem in the same way which is described in point 1.4. The manufacturer or distributor will offer a solution to the problem within 7 days. After the claim is accepted, both parties will agree on a suitable term of repairs.