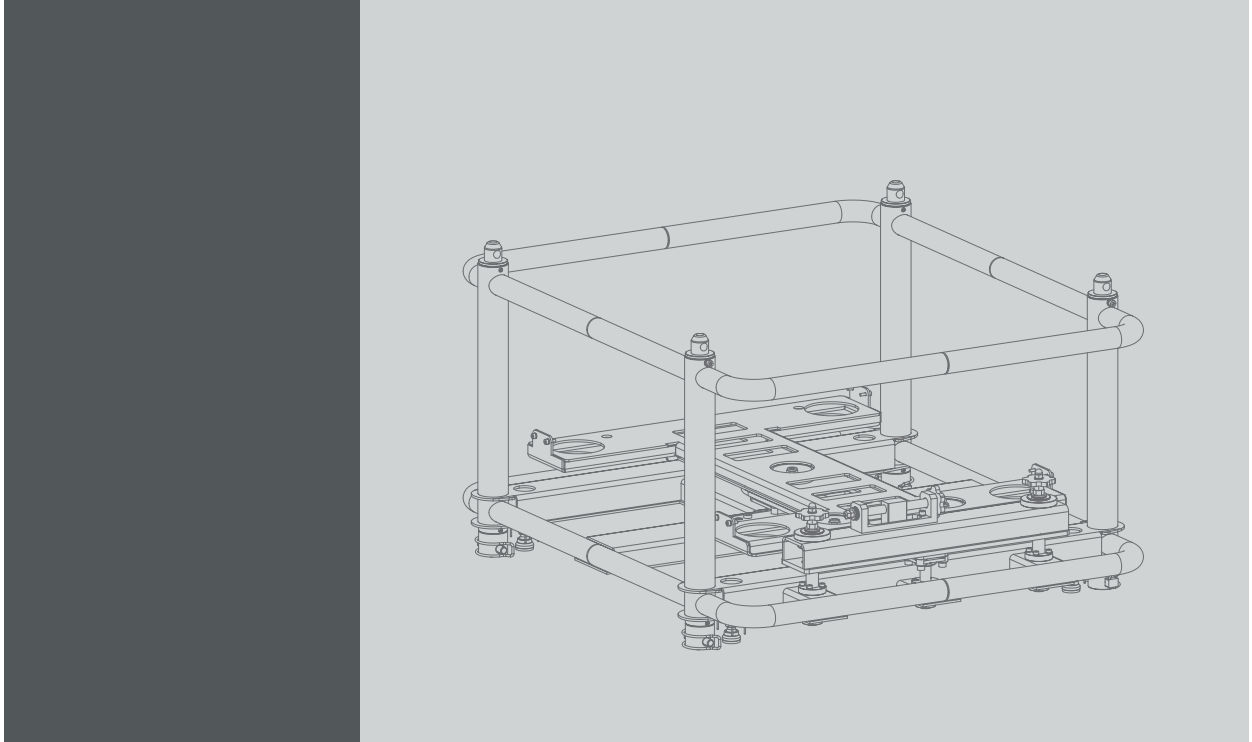


RLM W-series multifunctional frame



Installation Manual

R9899700

Barco nv Events

Noordlaan 5, B-8520 Kuurne

Phone: +32 56.36.82.11

Fax: +32 56.36.88.24

Support: www.barco.com/esupport

Visit us at the web: www.barco.com

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1. RLM W-SERIES MULTIFUNCTIONAL FRAME

Purpose of the RLM W-series multifunctional frame

The RLM W-series multifunctional frame is exclusively designed for the Barco RLM W-series projectors and can thus not be used on any other equipment.

Overview

- Introduction
- Installing the projector onto the multifunctional frame
- Removing the projector from the multifunctional frame
- Stacking multiple projectors using the multifunctional frame
- Suspending the projector from a truss
- Skewing the projector
- Inclining the projector
- Rotating the projector
- Dimensions

1.1 Introduction

Functionality

An RLM projector mounted in the multifunctional frame makes the projector more rugged and handy.

The multifunctional frame makes it possible to stack multiple projectors. This can be useful for a dual projection 3D system. In the multifunctional frame, the projector can be rotated around x, y and z axis in order to obtain a seamless adjustment.

Furthermore, the multifunctional frame can be used to suspend the projector from a truss. This can be done either in a upright or upside down position.



WARNING: Never transport the multifunctional frame in an upside down position with a projector mounted. Failure to do so can cause damage to the bearing holder in the multifunctional frame. This can cause the bearing holder to break and the projector to fall down.

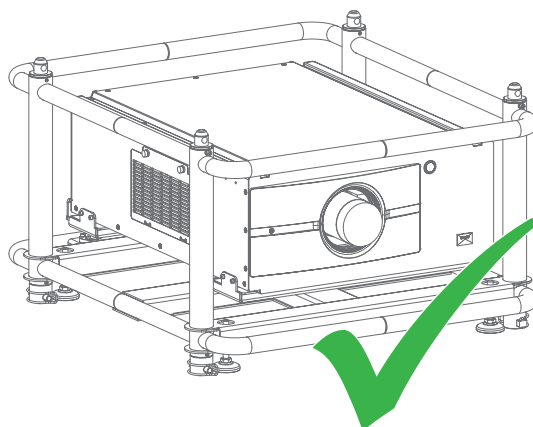
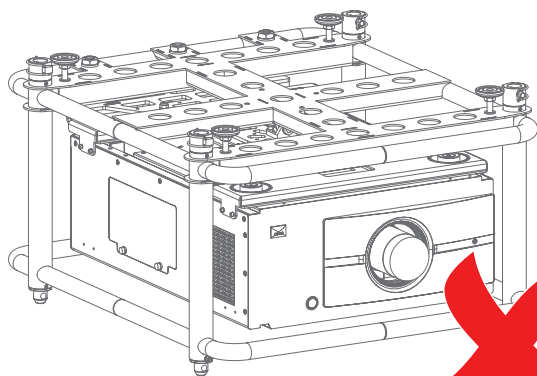


Image 1-1

Parts identification

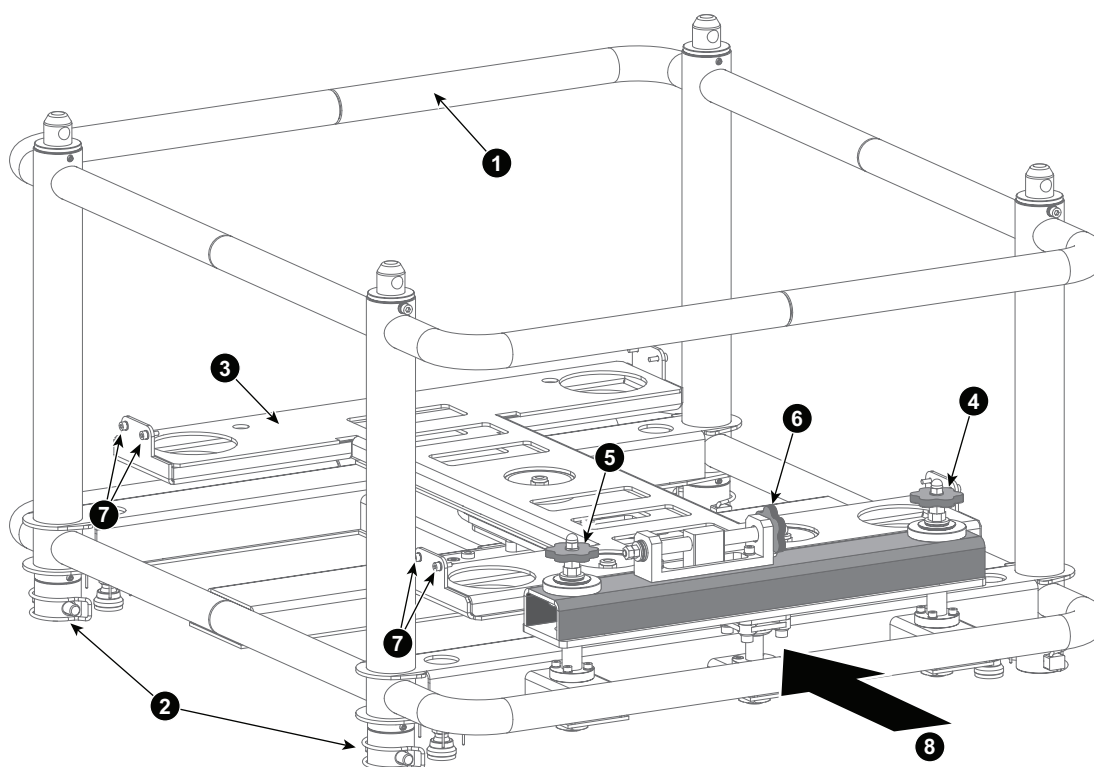


Image 1-2

- 1 Multifunctional frame
- 2 Pipe lynch pins
- 3 Projector supporting structure
- 4 Right adjustment knob
- 5 Left adjustment knob
- 6 Middle adjustment knob
- 7 Projector mounting screws
- 8 Multifunctional frame rear side

1.2 Installing the projector onto the multifunctional frame

Necessary tools

- Phillips screwdriver
- 5 mm Allen wrench

Necessary parts

8 hexagon socket head screws M6 x 12

How to install the projector onto the multifunctional frame?

1. Remove the 8 screws (reference 1, image 1-3) (2 screws on each corner of the projector).
2. Position the projector (reference 2, image 1-3) in the multifunctional frame (reference 3, image 1-3). The 4 projector feet (reference 4, image 1-3) (1 foot on each corner of the projector) must fit into the notches (reference 5, image 1-3) in the multifunctional frame.
Tip: Position the projector in such way that the rear side of the projector (connections side) and the rear side of the multifunctional frame (reference 8, image 1-2) correspond.
3. Mount the projector on the multifunctional frame by tightening the 8 hexagon socket head screws (reference 6, image 1-3) (4 on each side of the projector).

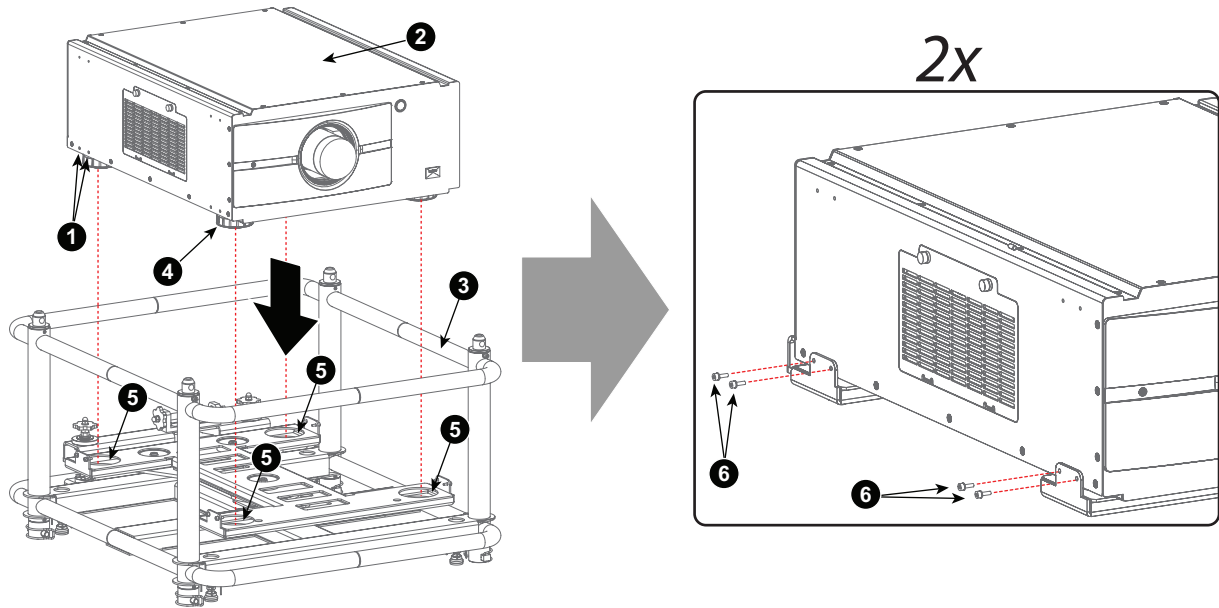


Image 1-3

1.3 Removing the projector from the multifunctional frame

How to remove the projector from the multifunctional frame?

1. Remove the 8 screws (reference 1, image 1-4) (2 screws on each corner of the projector).

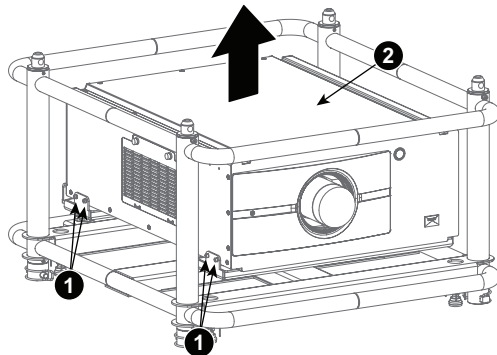


Image 1-4

2. Lift the projector (reference 2, image 1-4) out of the multifunctional frame.

1.4 Stacking multiple projectors using the multifunctional frame

How to stack multiple projectors using the multifunctional frame?

1. Install each projector in their multifunctional frame.
Warning: It is not allowed to stack more than 3 projectors.
2. Remove the pipe lynch pins (reference 1, image 1-5) from the multifunctional frame(s) which will be placed on top of another multifunctional frame.
3. Stack the multifunctional frames. Make sure the pins of the lower multifunctional frame (reference 2, image 1-5) fit in the holes of the upper multifunctional frame.

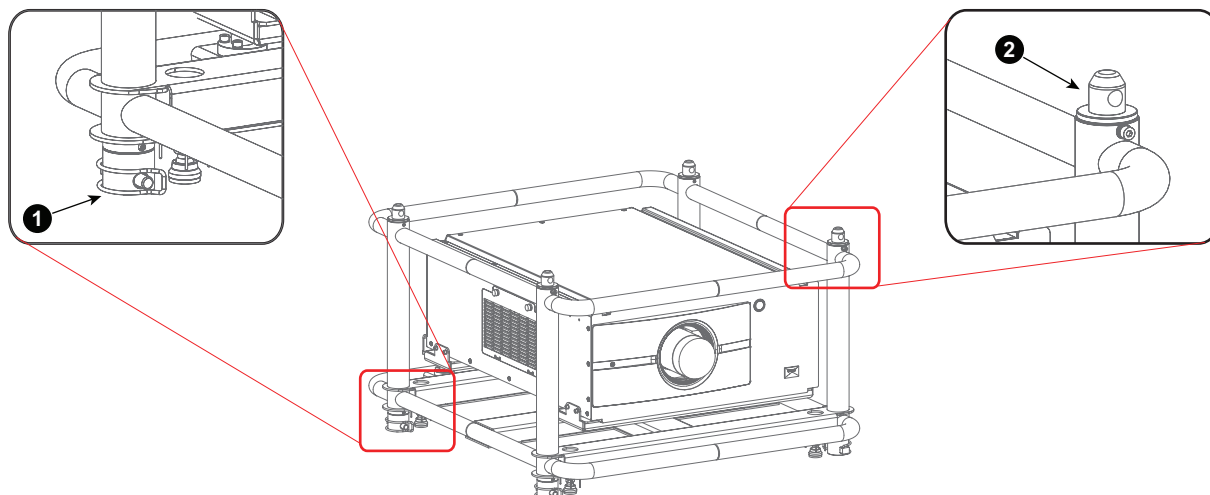


Image 1-5

4. Install a pipe lynch pin (reference 1, image 1-6) on each corner of the multifunctional frame.

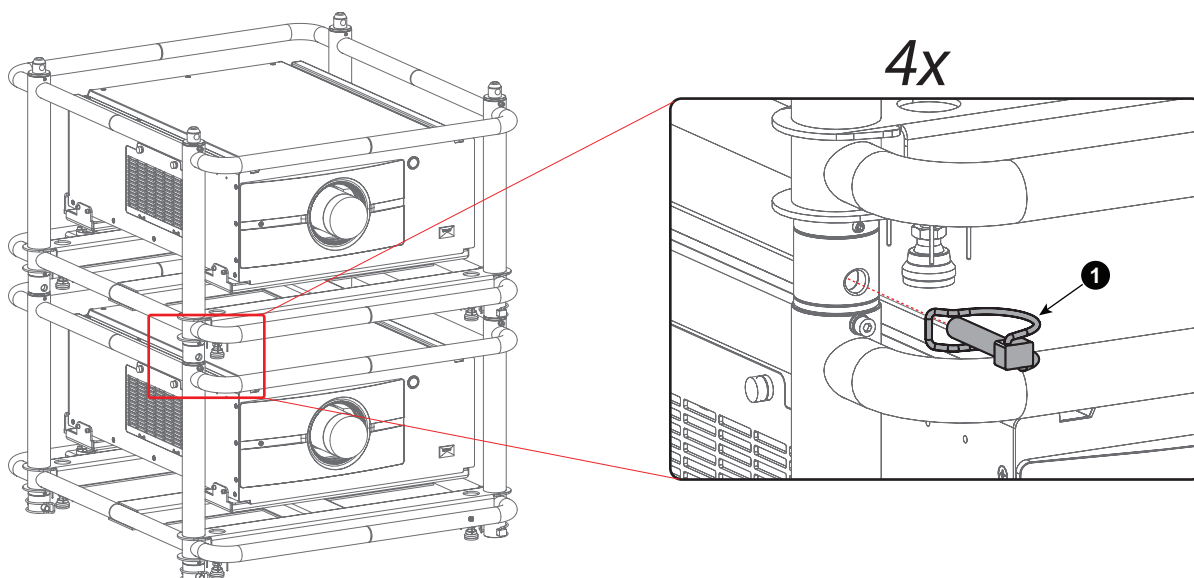


Image 1-6

1.5 Suspending the projector from a truss

Suspending the projector from a truss

The projector can be suspended from a truss using the multifunctional frame.

It is allowed to suspend maximum two (2) projectors.



WARNING: Never suspend more than two (2) projectors. Failure to do so can cause serious injury or death.

1.6 Skewing the projector

How to skew the projector?

1. Turn the middle adjustment screw (reference 1, image 1-7) anti clockwise to turn the front of the projector to the right.
2. Turn the middle adjustment screw (reference 1, image 1-7) clockwise to turn the front of the projector to the left.

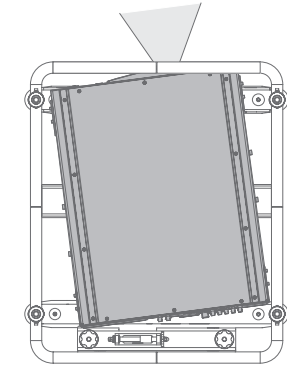
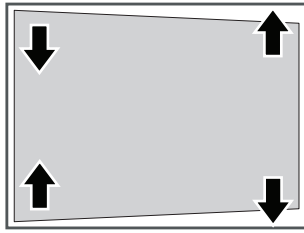
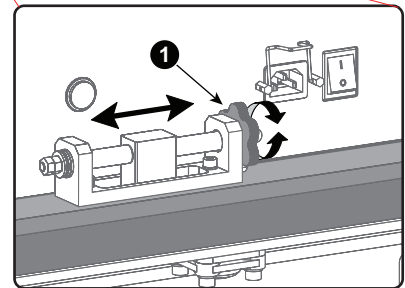
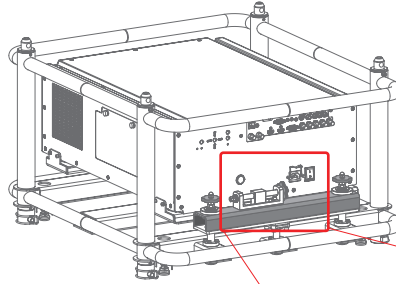


Image 1-7



1.7 Inclining the projector

How to incline the projector?

1. Turn the right adjustment screw (reference 1, image 1-8) and the left adjustment screw (reference 2, image 1-8) anti clockwise to lower the back of the projector.
2. Turn the right adjustment screw (reference 1, image 1-8) and the left adjustment screw (reference 2, image 1-8) clockwise to rise the back of the projector.

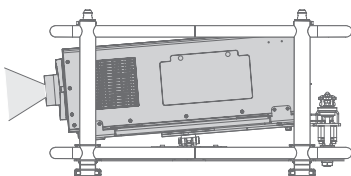
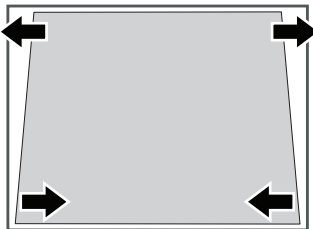
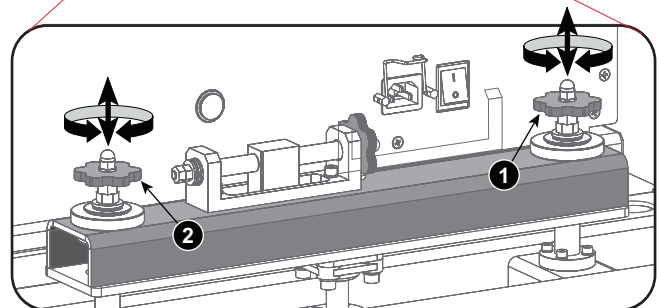
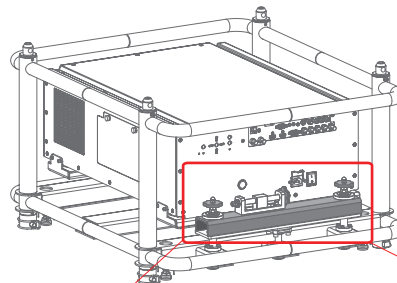


Image 1-8



1.8 Rotating the projector

How to rotate the projector?

1. Turn the right adjustment screw (reference 1, image 1-9) anti clockwise and/or the left adjustment screw (reference 2, image 1-9) clockwise to rotate the projector clockwise.
2. Turn the right adjustment screw (reference 1, image 1-9) clockwise and/or the left adjustment screw (reference 2, image 1-9) anti clockwise to rotate the projector anti clockwise.

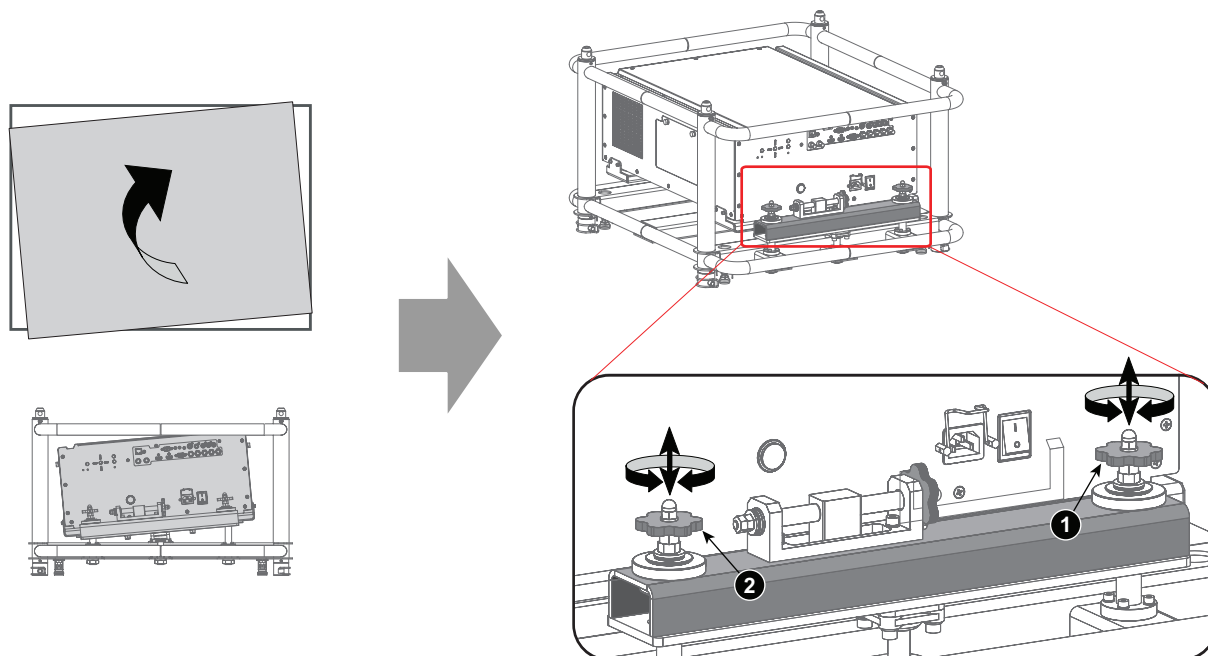


Image 1-9

1.9 Dimensions

Useful dimensions

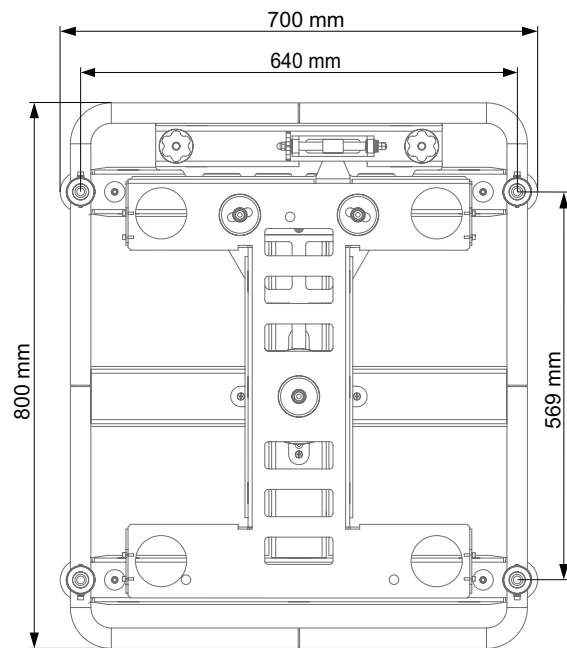
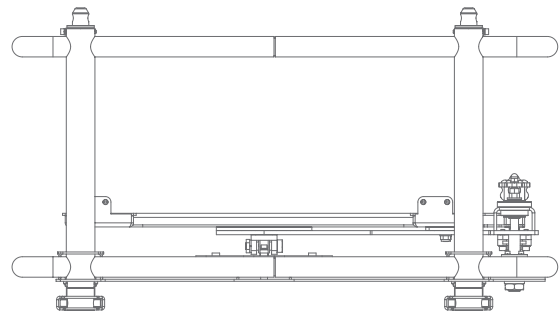
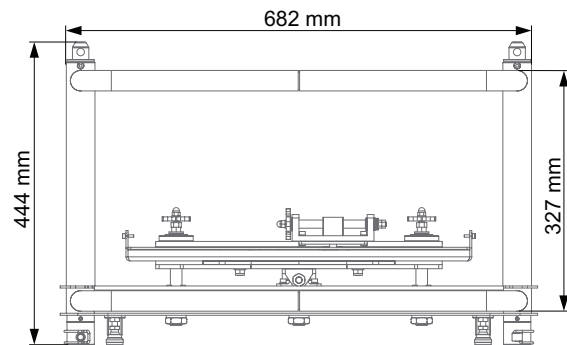


Image 1-10