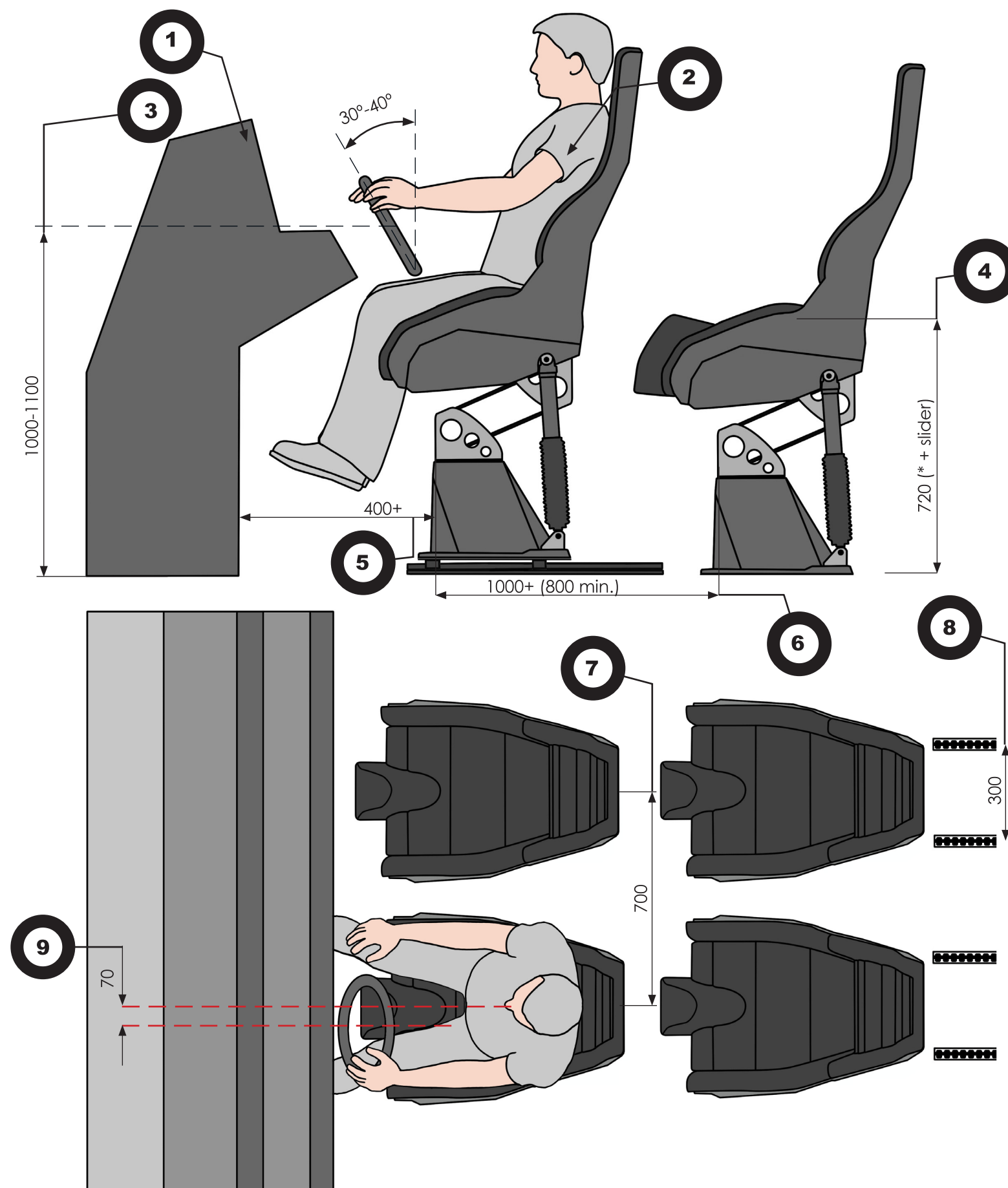


# ALL YOU NEED TO KNOW - ULLMAN ATLANTIC

INSTALL - USE - MAINTAIN

**Ullman**  
PROTECTING PEOPLE



## 1: Console design

Aiming for the best console ergonomics? Visit [ullmandynamics.com](http://ullmandynamics.com) for full design guide lines.

## 2: Posture

Optimal seating posture is achieved with an upright forward facing position. Head and shoulders in a vertically aligned position and full backrest contact.

## 3: Steering wheel hub

An all-around recommended hub height is between 1000-1100 mm. Always place the wheel within reach with full backrest contact.

## 4: Seating height

The Ullman Atlantic series has a seating height of 720mm\*. Always let the seat installation height be driven by your vessel sight lines.

## 5: Knee Clearance

Recommended spacing between console and seat = 400+ mm. Independent non moving footrest is recommended for all seats.

## 6: Seat layout - Longitudinal split

Recommended longitudinal seat c-c measure is 1000+ mm. (800 without semi standing possibility)

## 7: Seat layout - Lateral split

Recommended lateral seat c-c measure is 700+ mm. (600 min. with no accessories)

## 8: Tracks

Recommended lateral c-c = 300 mm  
Tracks (Pair) c-c equal to seat c-c.

## 9: Wheel position

For optimal operational ergonomics, place the wheel with a 30° (35-45°) vertical angle with an offset lateral position of 70 mm (compared to seat centre). This gives a symmetrical grip between the wheel and throttle and an upright seating position.

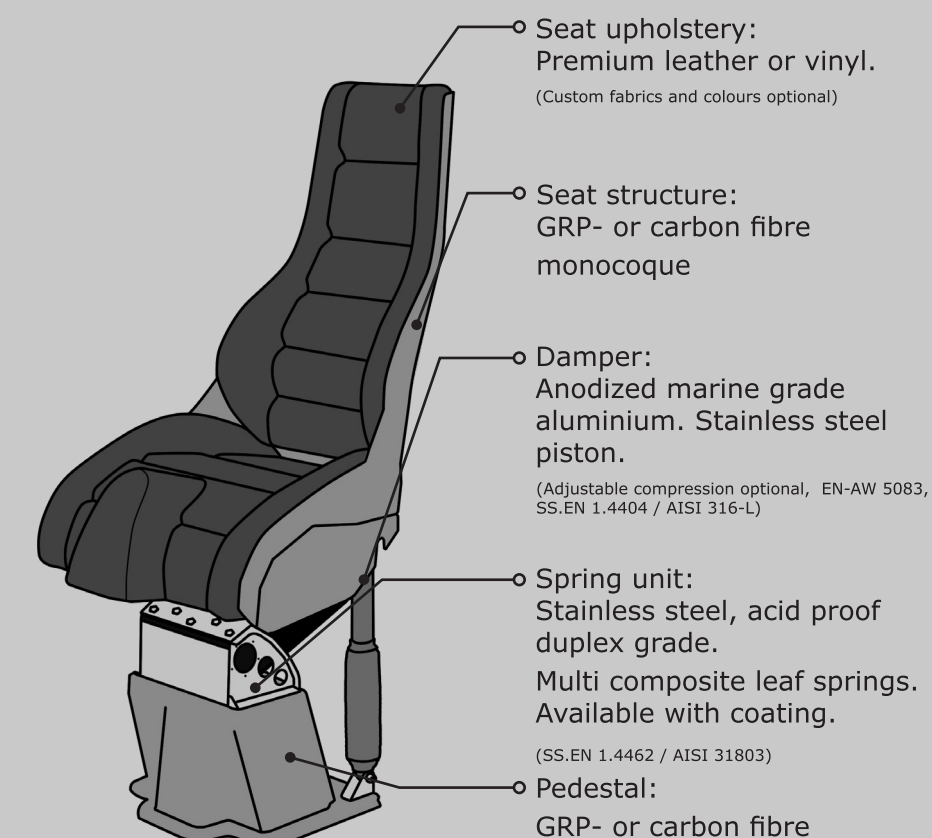
## Maintenance:

### Functional

No maintenance needed.

### Aesthetic

Fresh water rinse after usage.  
For longest aesthetic life time use weather protection cover (optional). Allow seats to dry after usage.



### Disclaimer

Driving fast at sea is always associated with significant risks, especially in high sea states.  
Even the best seats in the world will never be a guarantee against injuries.  
The enhanced control and comfort of the Ullman Jockey Seats and the Ullman Cockpit System can make you want to drive faster.  
Do not drive your boat faster than what feels comfortable for everyone on-board.  
It is your responsibility as a boat driver to keep everybody on-board safe.

### REMEMBER:

Discomfort is a sign of dangerous exposure.  
Pain is a sign of threatening injury.

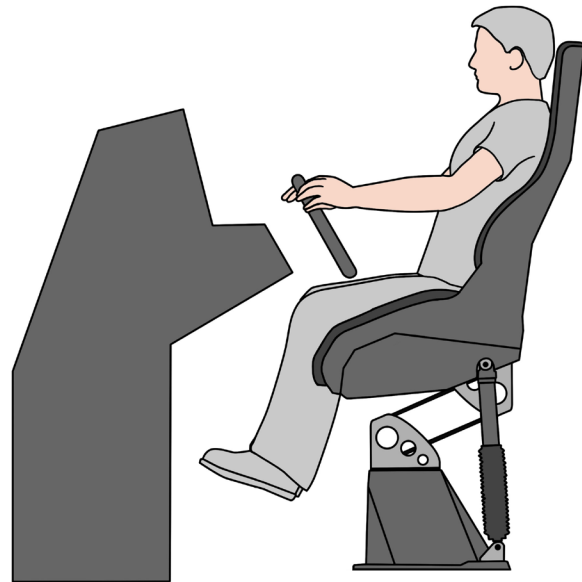
\* Notice: The seat slider gives a seat height add on of 42-52 mm depending on slider model.  
Other accessories such as grab handles, armrest etc. may effect recommended installation measures.

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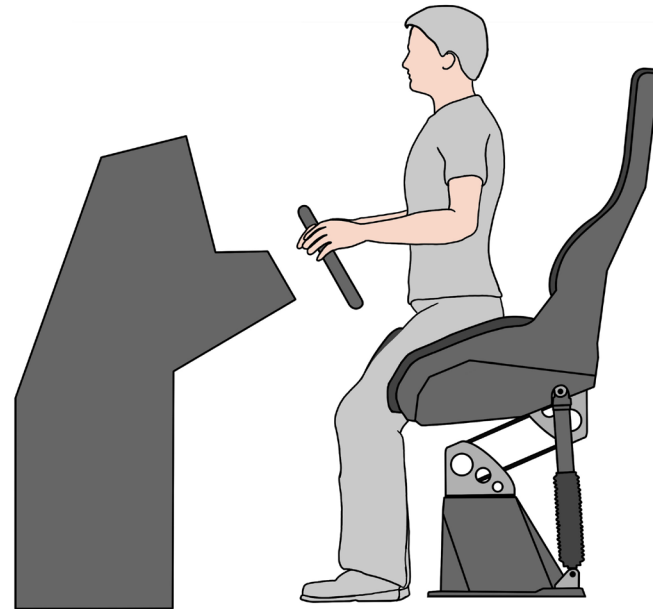


### Seating positions & postures



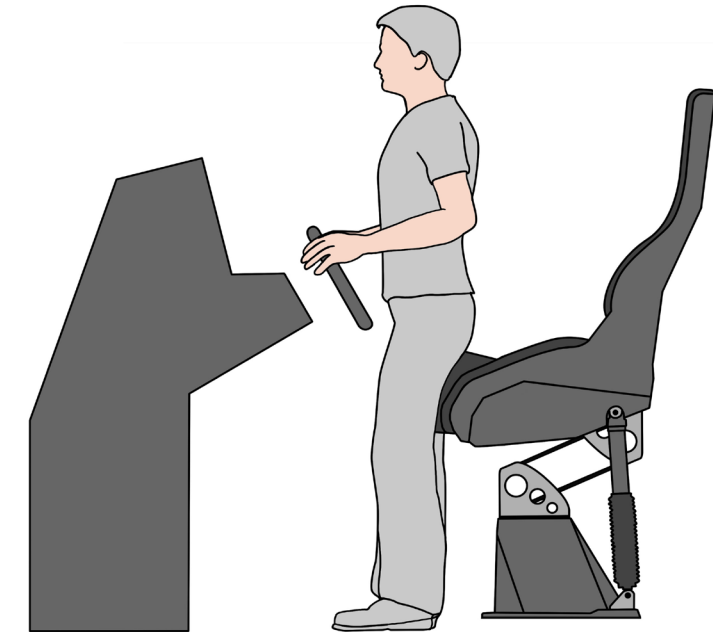
#### Fully seated:

For optimal posture, safety and comfort.  
Recommended for low- to top speed usage.  
User in neutral S-shaped spine and balanced posture.



#### Semi standing:

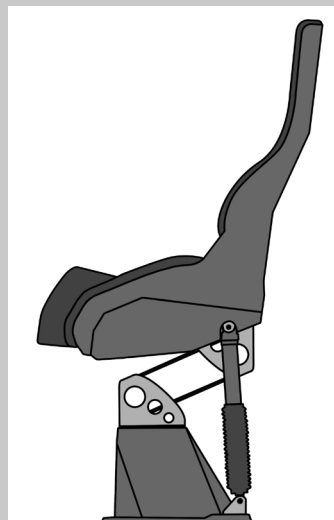
Front seat pan can be folded up for semi standing possibility with lumbar support.  
Gives enhanced visibility/overview.  
Recommended for up to moderate vessel speed.  
Seat suspension is still active.  
User has a neutral S-shape spine/ balanced posture with leg support.



#### Fully standing:

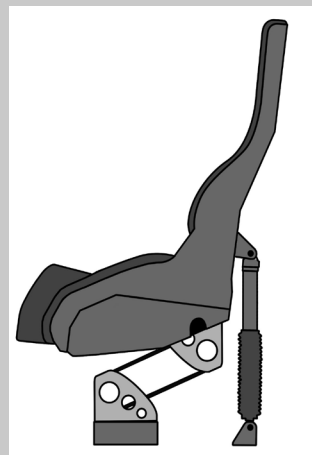
Slider placed in far aft position.  
No seat safety or comfort support.  
Gives enhanced visibility/overview.  
Recommended for low vessel speed, harbours, situational awareness.

### Mounting configurations:



#### 01 with Ullman base:

Mounted on Ullman standard Atlantic base. Full seat stroke of 200 mm vertical.  
Good for all seating postures.  
Compatible with Ullman slider and track mounting systems.  
Dampers mounted between seat pan and base.



#### 00 - custom base.

For mounting on custom bases.  
Flat surface interface.  
Full seat stroke of 200 mm or 150 mm vertical.  
Dampers mounted between deck level and backrest.

#### Console full scale mock up

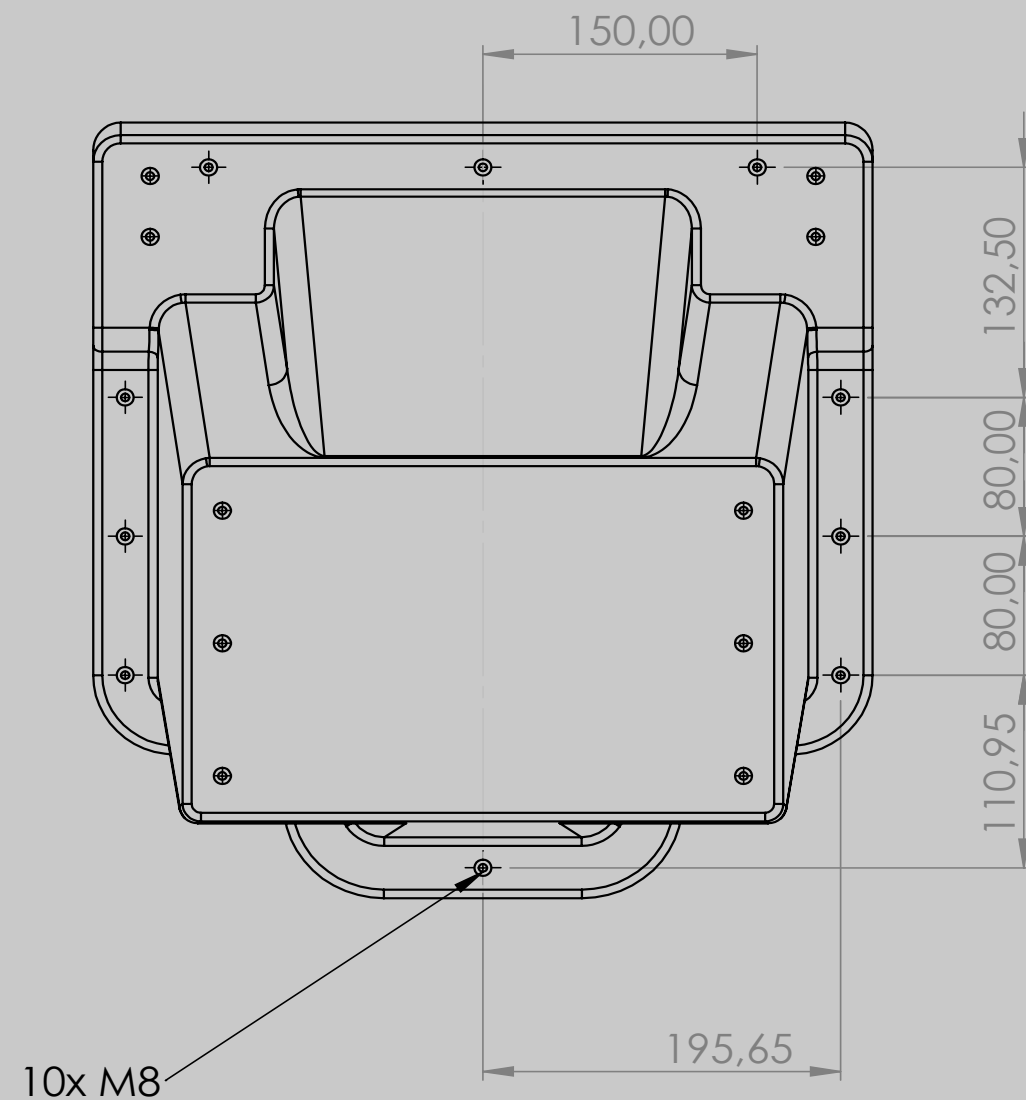
It is always recommended to create a full scale mock up of the drivers environment in order to achieve the optimal user interface and operational abilities.  
Only use 3d mannequins as an early stage visual guidance.  
Sight lines are crucial for safety and performance.

Need help with console design?  
Contact Ullman Design team for more input.

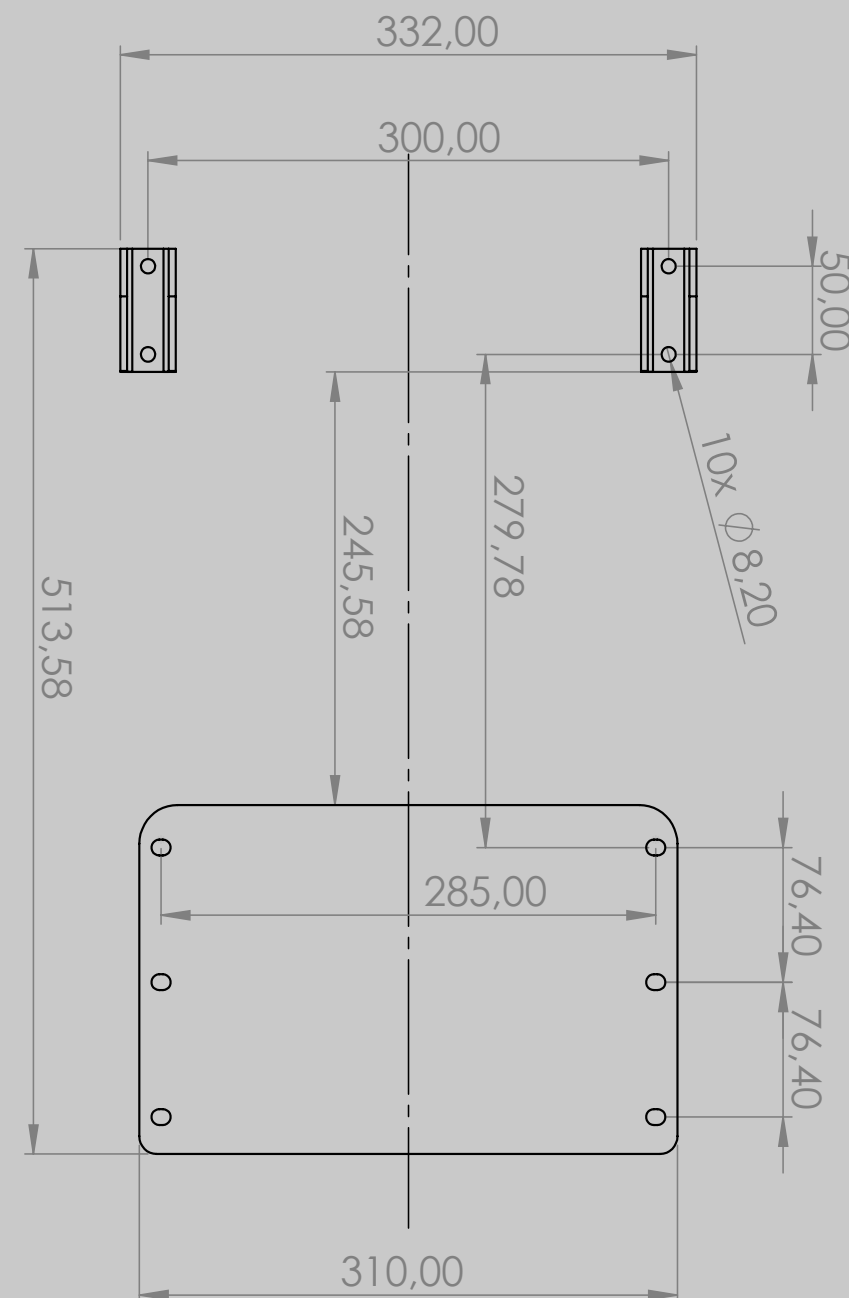
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**Atlantic 01 series deck hole pattern**  
Ullman base



**Atlantic 00 series deck hole pattern**  
Custom base



For fastening techniques, installation guidance and fastening/  
mounting accessories, visit [ullmandynamics.com](http://ullmandynamics.com)



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