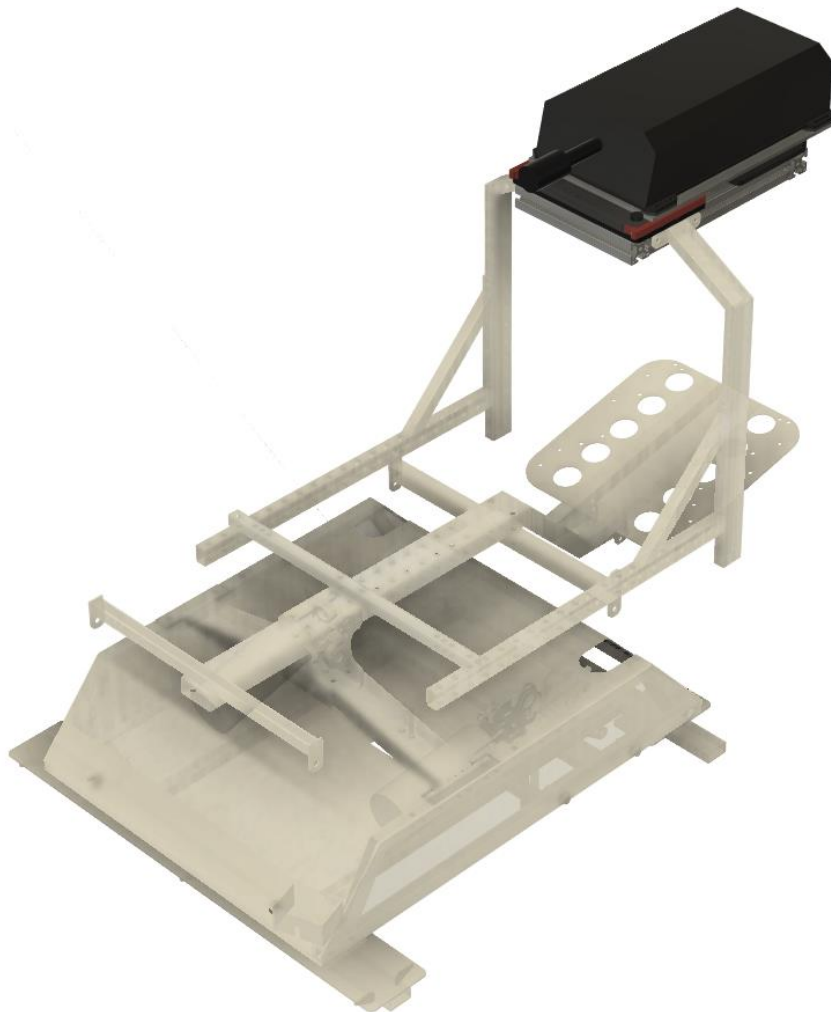




Creating an extended Wheel/Yoke Table for your DOF Reality Rig (40-series)

In this guide we 'suggest' a method of replacing your DOF Reality **RECTANGULAR** wheel table with 40 series aluminium extrusion to be able to fully support a FFB Yoke with QR4rigs QRUHD Quick Release.



The picture above shows a DOF Reality rig with a suggested extended Wheel table constructed from 40-series Aluminium Extrusion with:

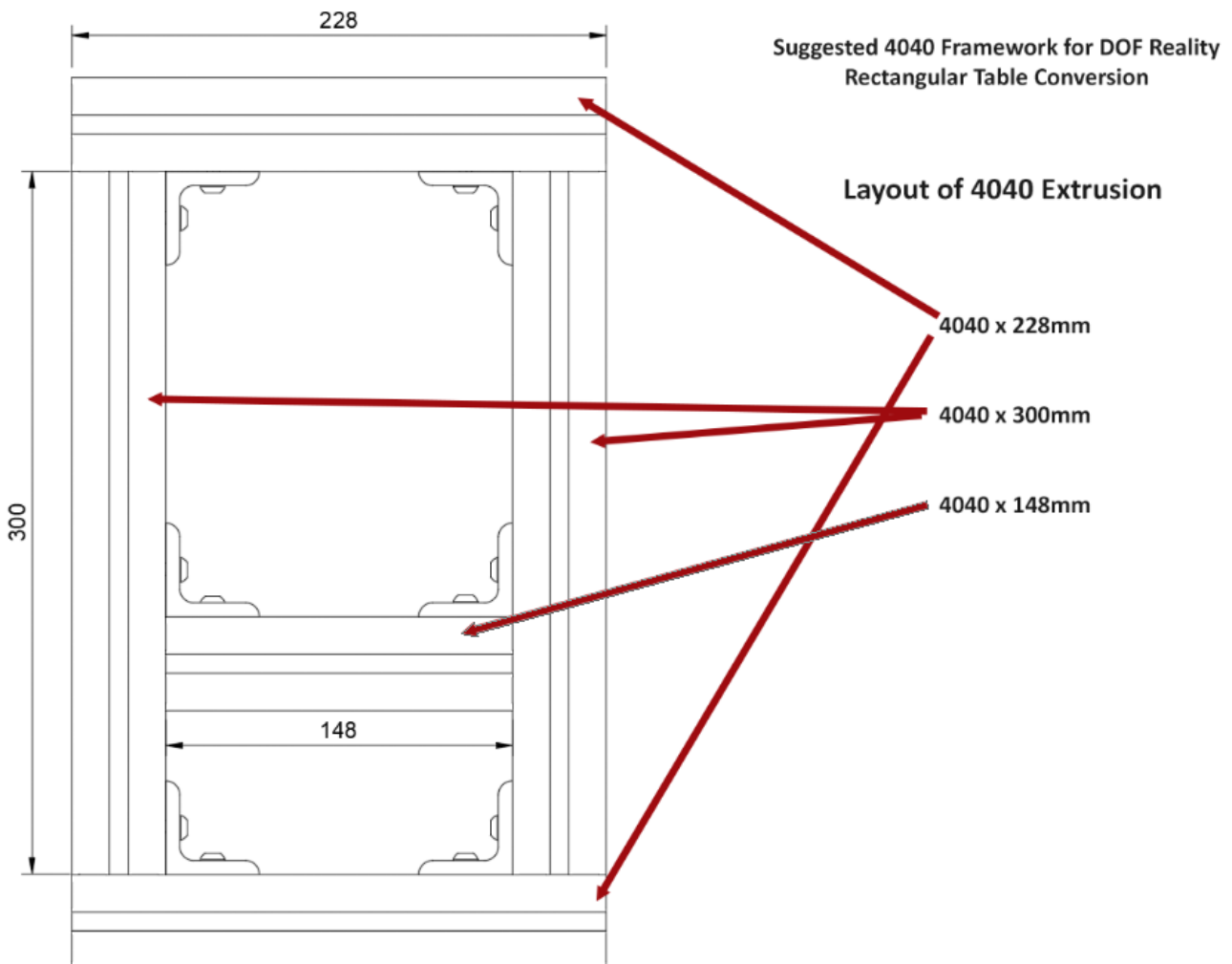
- FFB Bundle Deal: QRUHD DOFR 40-Series Yoke Kit (DIY) under Board (DIY) with Moza AY-210 Yoke mounted to the top

4040 Framework

Shopping List 1

IMPORTANT: You will need to source the following products yourself as we do not provide them:

- 2x 228mm 4040¹ extrusion
- 2x 300mm 4040 extrusion
- 1x 148mm 4040 extrusion
- 6x 40mm 90° Corner Brackets
- 12x M6x14mm Button Head Allen Screws (for the Corner Brackets)
- 4x M6x16mm CAP Head Allen Screws (to attach to the DOF Reality Table Uprights Framework)
- 4x M6 Washers (for the above)
- 16x M6 T-Nuts for 40-series extrusion (We would recommend Roll-In or Hammerhead T-Nuts as these can be inserted into the extrusion slots post assembly)



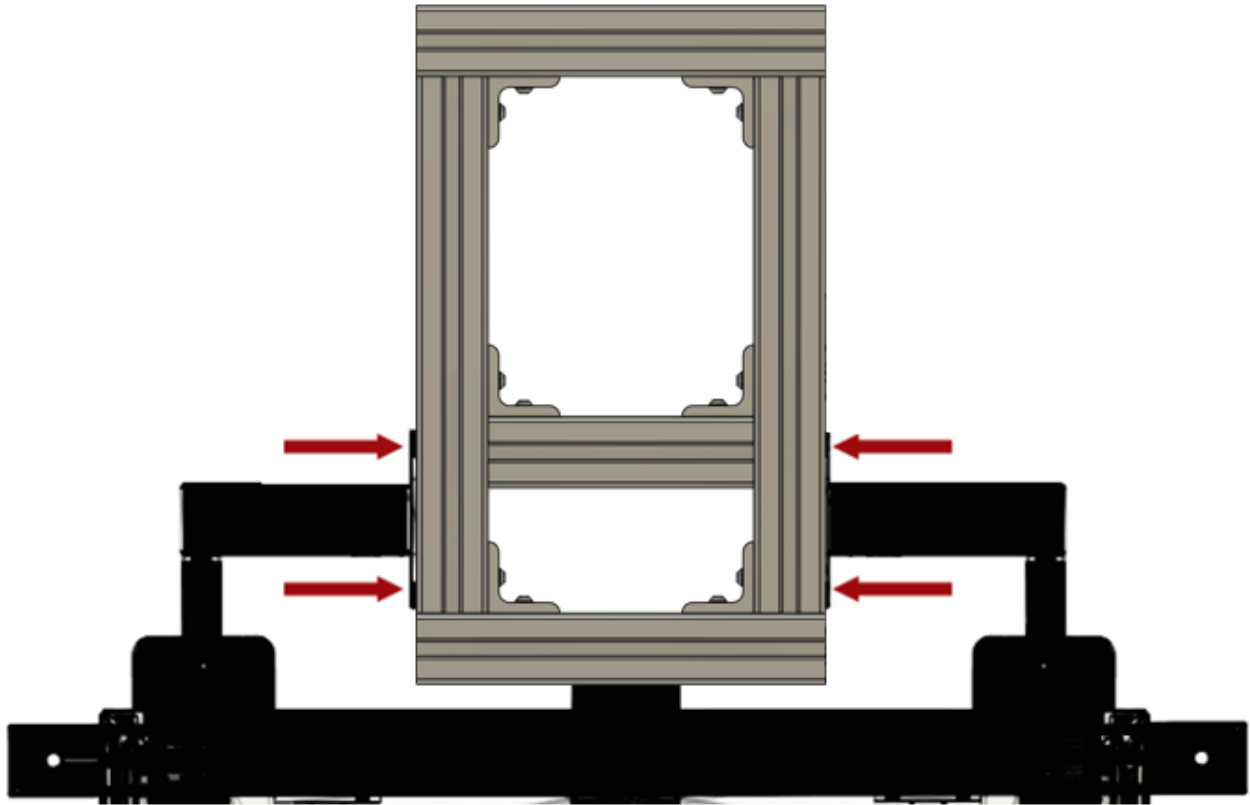
The layout of the components is shown above. Keeping the spacing accurate is crucial to be able to mount our QR components to the framework and for the framework to fit between the DOF Reality Table uprights (228mm apart).

If you are using T-Nuts that need to be inserted before assembly, then take a note of the positions above of the screws for the Corner Brackets and the Wheel Table Brackets (shown on next page) and insert them first.

¹ 4040 extrusion requires 8mm slot width

Attaching to the DOF Reality Rig

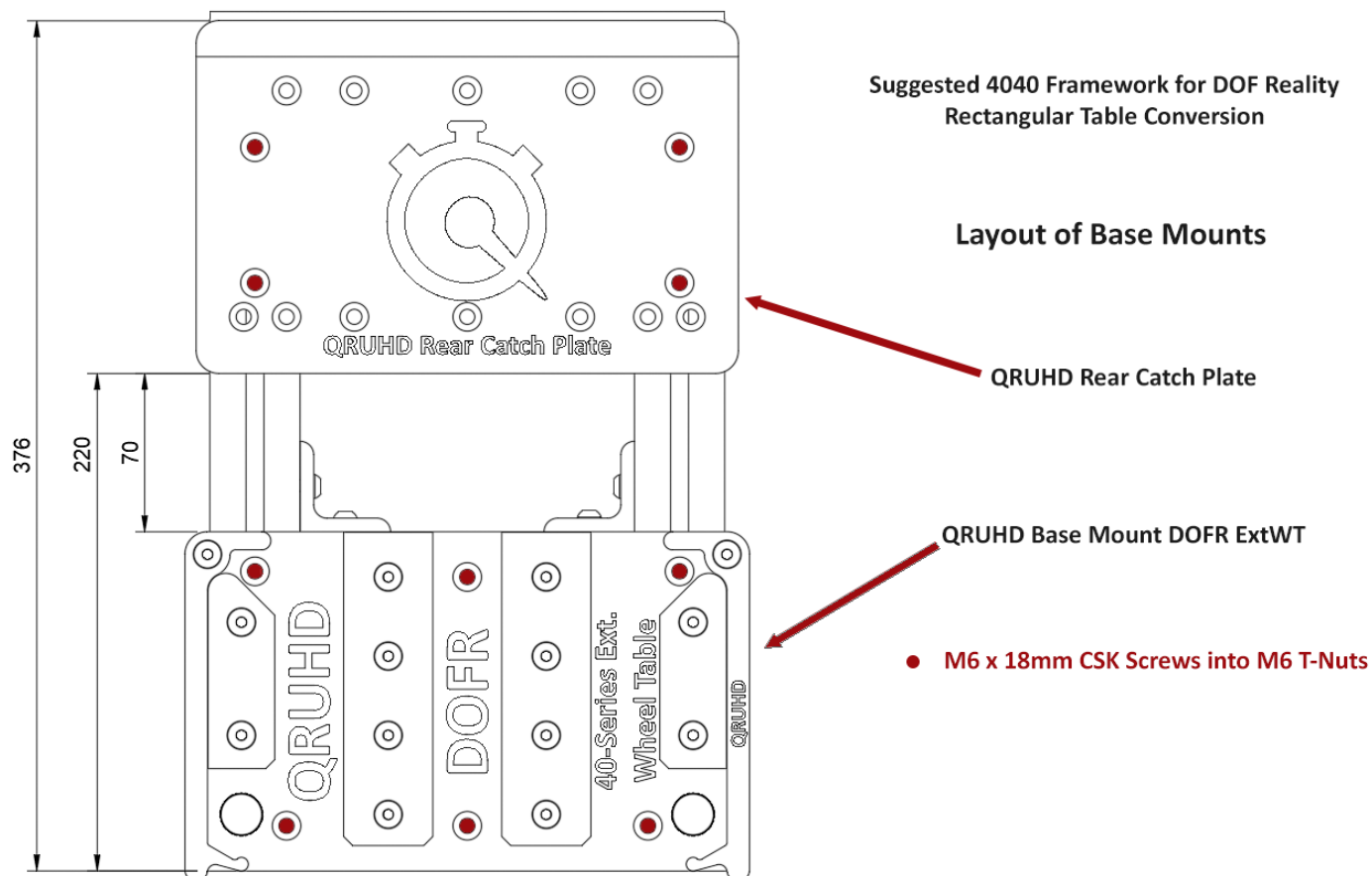
Once the Framework is constructed attach to the DOF Reality Rig where the Rectangular Wheel Table fitted previously, using the four M6x16mm CAP Head screws with washers into T-Nuts in the extrusion as shown by the red arrows below:



Shopping List 2

For this solution you will need the following parts from **QR4rigs**:

- 1x [FFB Bundle Deal: QRUHD DOFR 40-Series Yoke Kit \(DIY\)](#)



Refer to the diagram above for placement of each component on to the 4040 Framework.

Fix the QRUHD Base DOFR 40ExtWT² and QRUHD Rear Catch Plate in place on to the extrusion using the M6x18mm CSK Screws and M6 T-Nuts provided.

² Note: The QRUHD Base DOFR 40ExtWT is a custom designed Base Mount specific to this solution

Spacing for QRUHD FFB Yoke QR Plate and rear Hook Plate

In order to use the QRUHD FFB Yoke QR Kit, you will need to mount your FFB Yoke on to a board of some sort. You will need to source this yourself. Refer to the individual drawings in the Appendix for suggested sizes of board for your Yoke.

A thickness of 6mm (1/4") plywood, MDF or aluminium plate will work for the fixing kit we supply with the QRUHD FFB Yoke Kit.

For 6mm Board, we supply M6x16mm Countersunk Screws that fix through your board and into captive nuts in the QR Plate kit. You will need to ensure when you drill your board, that you don't countersink the holes too deep, just deep enough for the heads of the screws to be flush with the surface will be perfect.

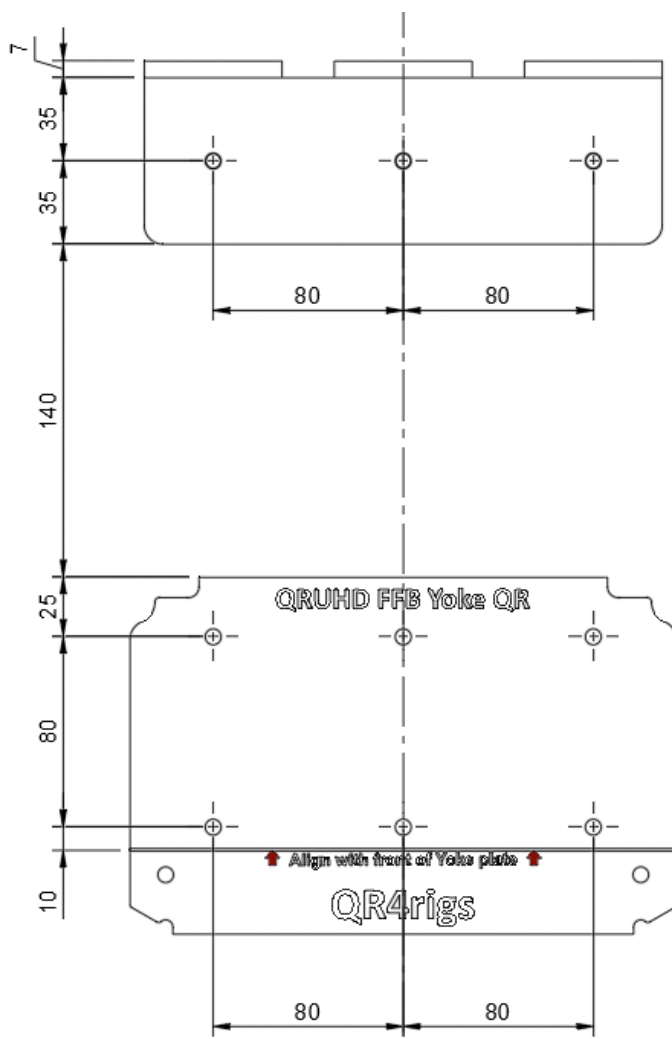
If you use a different thickness of board to mount your yoke to, you will need to source M6 Countersunk Screws of an appropriate length.

$$\text{M6 Countersunk Screw Length} = \text{Board Thickness} + 10\text{mm}$$

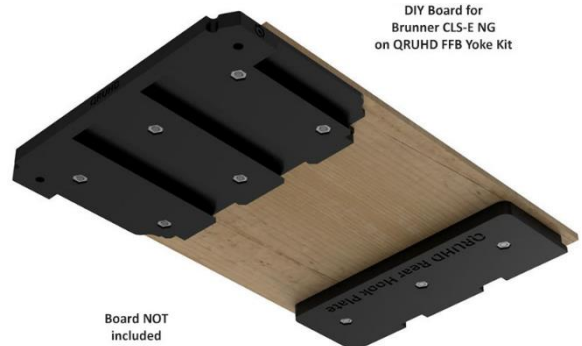
Hole spacing / Mounting dimensions are important for use with the suggested wheel table replacement/extension.

The required dimensions of the Countersunk holes you need to drill into your board are below.

IMPORTANT. Align the edge of the board with the line on the QR Plate shown by the red arrows below. This will enable the required use of the thumbscrews which will hold the QR Plate tightly in place once mounted.



DIY Board for
Brunner CLS-E NG
on QRUHD FFB Yoke Kit

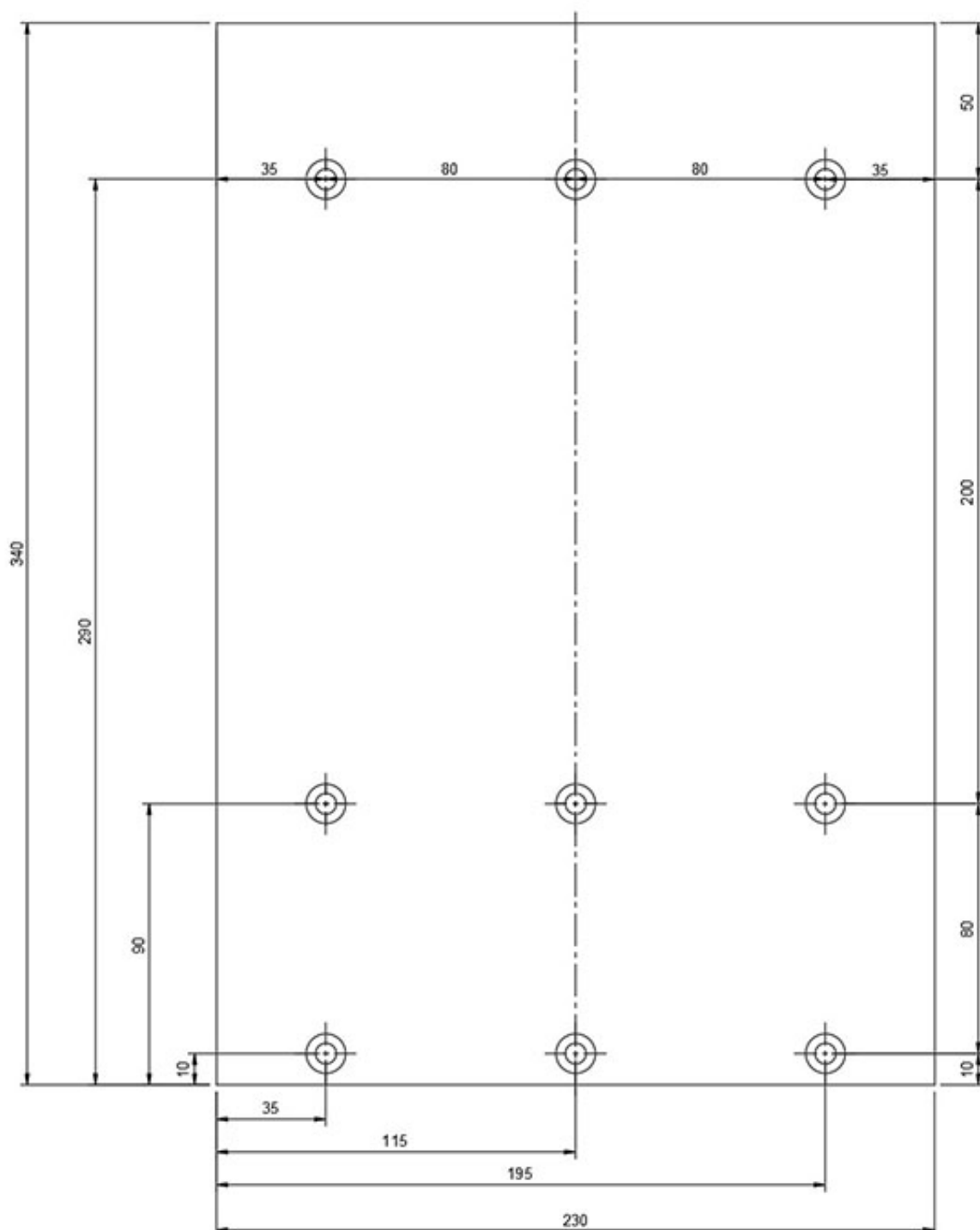


Board NOT
included

Appendix

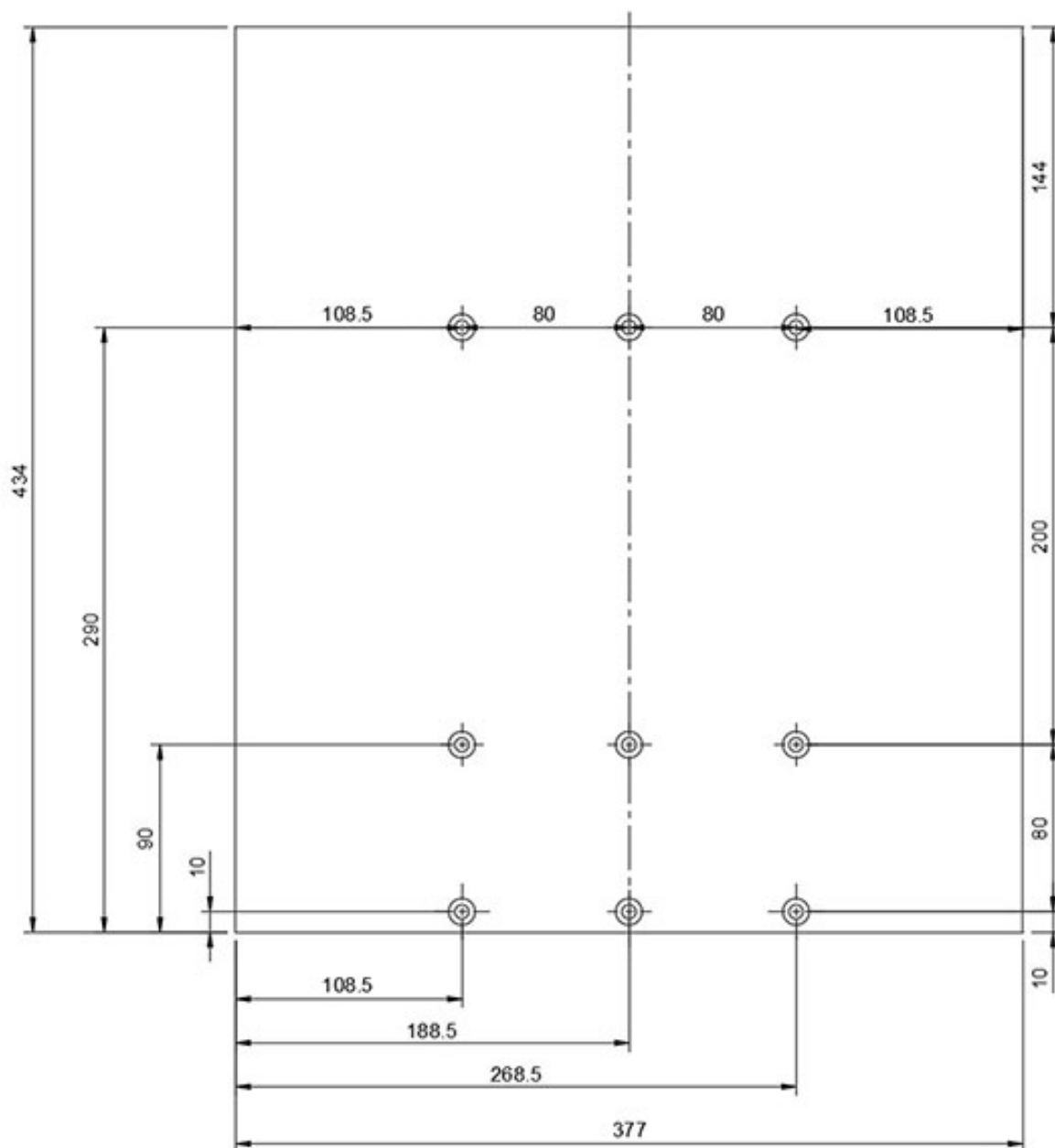
The following pages contain mounting diagrams and our recommendations for minimum board sizes for various yokes.

If your FFB or large format Yoke is not listed, please get in touch.



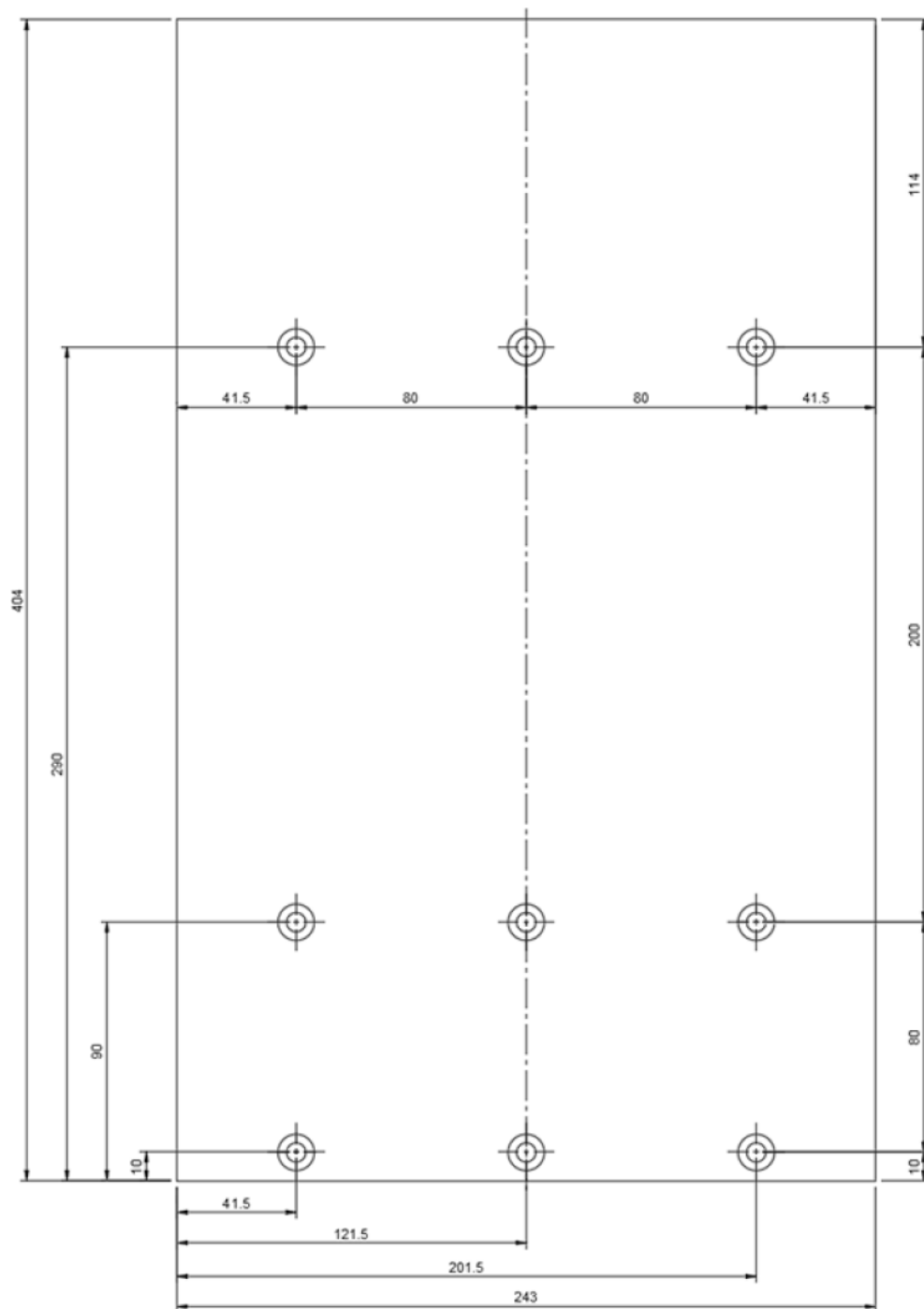
Brunner CSL-E NG
Suggested Minimum Board size = 340mm x 230mm





Flitesim CSL-60/120

Suggested Minimum Board size = 434mm x 377mm



Moza AY210
Suggested minimum board size = 404mm x 243mm

If you require further support, please use the contact form on our website, or email us directly support@qr4rigs.com, we will be more than happy to help you.