



DIY Wood Sim Racing Rig by



What are the dimensions of the fully assembled rig?

The chassis measures **1500mm (59")** in length, **536mm (21")** in width, and **663mm (26")** in height.

How much wood do I need for the entire build?

The layout is optimized to fit on a single sheet of **2440mm x 1100mm (approx. 96" x 43")**.

What type of wood is recommended?

We highly recommend using **Birch Plywood** or any other high-density hardwood. Avoid low-grade construction lumber or OSB for better rigidity.

What is the ideal board thickness?

The official design is based on **18mm (3/4")** thickness. However, you can use boards ranging from **15mm to 20mm (5/8" to 13/16")**.

Note: Our hardware list is calculated for 18mm boards. If you choose a different thickness, remember to adjust your bolt lengths accordingly (+/- a few millimeters).

How do I prevent noise or creaking during high-vibration racing?

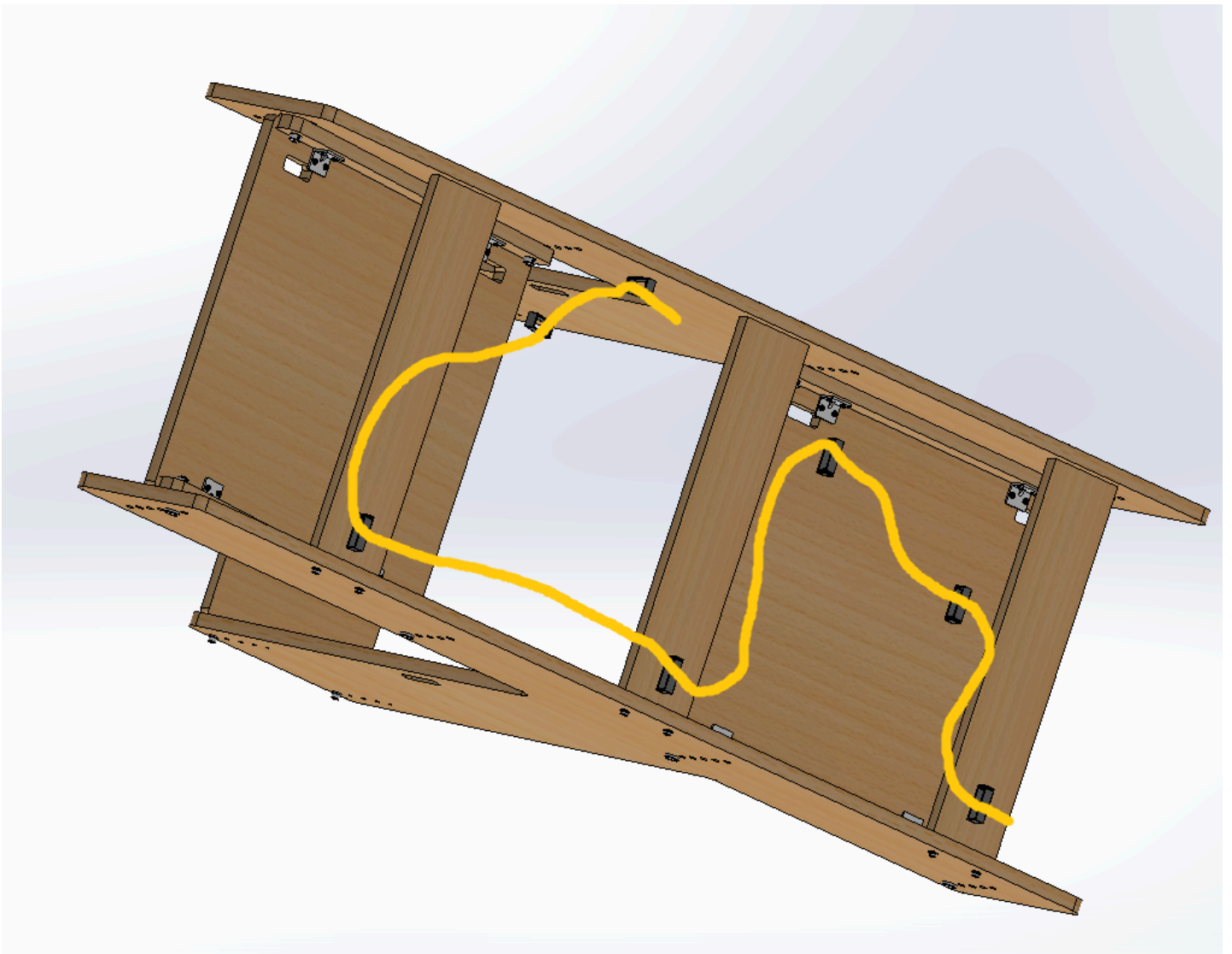
To eliminate noise, use the **sound-absorbing pads** listed in the BOM (Bill of Materials). Place small cutouts between the wooden panels at the joint interfaces to prevent wood-on-wood contact during heavy Force Feedback.

What are the maximum height and weight limits for the driver?

The chassis is engineered to comfortably support drivers up to **1.95m (6'5")** tall and weighing up to **150kg (330 lbs)**.

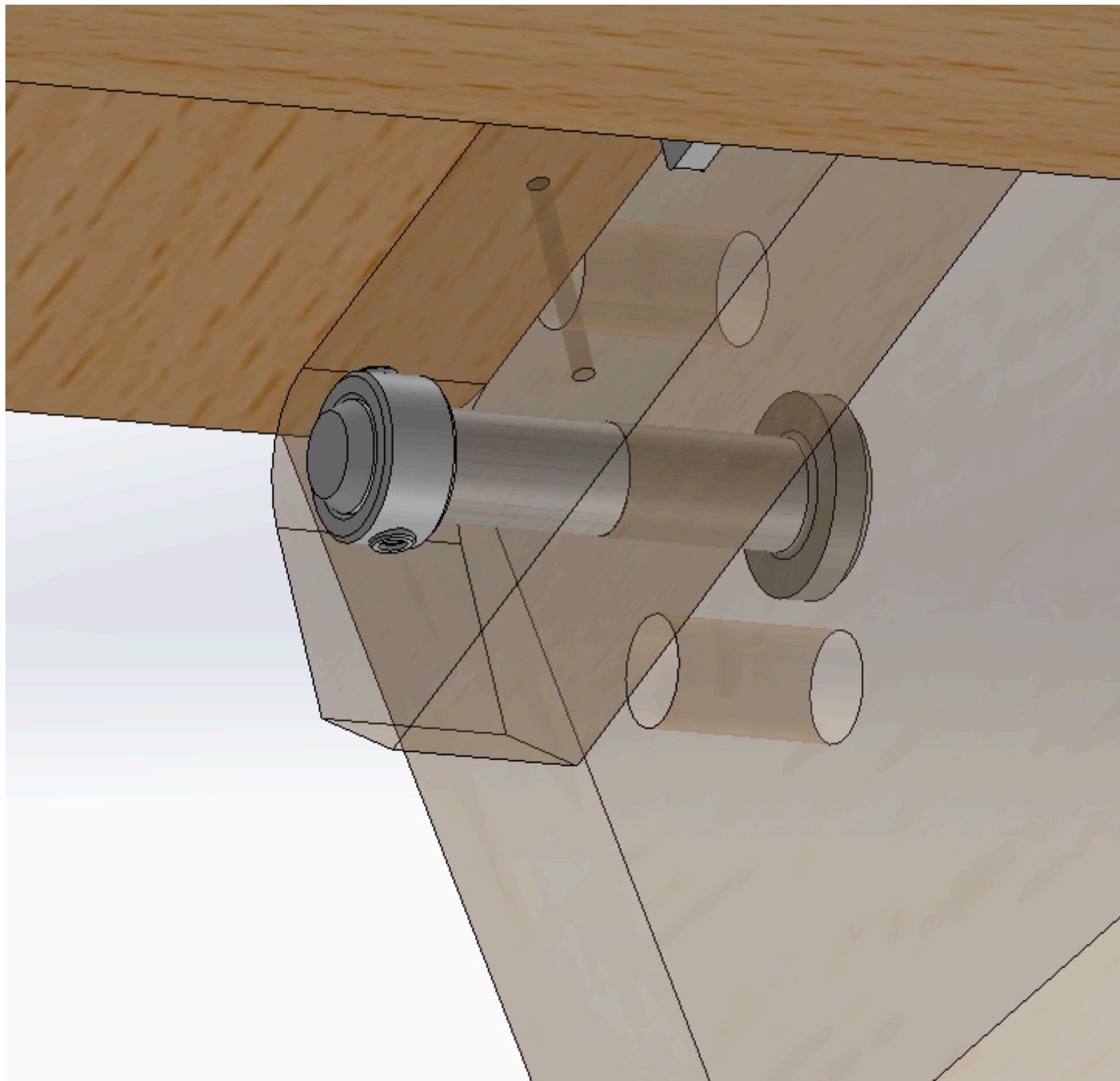
How does the cable management system work?

The rig features a clean setup using **self-adhesive plastic clips** (see product photos) attached to the bottom and inner panels. This allows you to route all USB and power cables out of sight.



How do I adjust the seat and the pedal tray?

Both the seat and the pedal tray use the same interchangeable mounting plate system. They are secured using a **locking pin (goupille)** and tightened with an **M10 clamping handle** for quick and tool-less adjustments.



Should I use glue on the Wood Insert Nuts?

Yes. We strongly recommend applying a drop of **wood glue or Super Glue** inside the hole before screwing in the insert nuts. This fuses the metal to the wood fibers and prevents them from loosening over time due to vibrations.

For more information, you can consult the [Frequently Asked Questions](#).