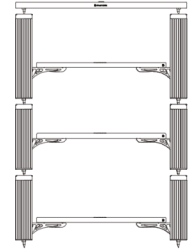
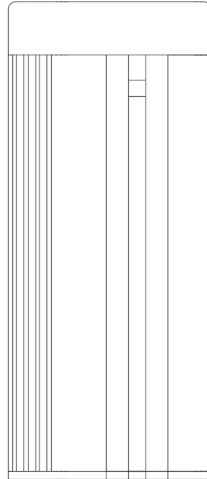
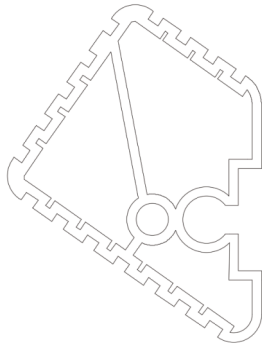




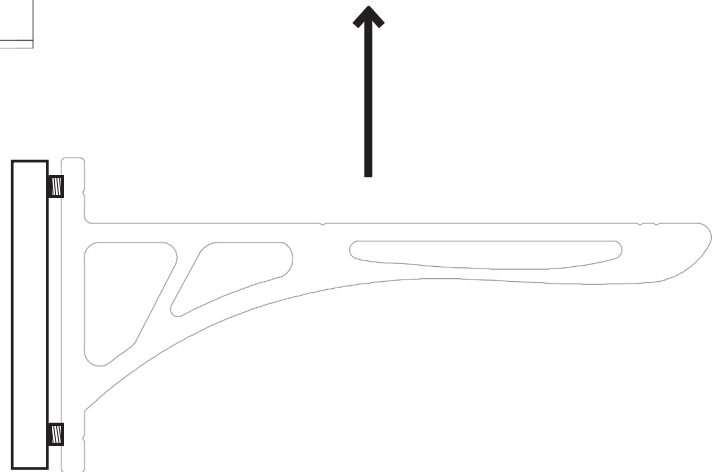
Mounting instructions for the Hybrid 2nd gen. rack

1.

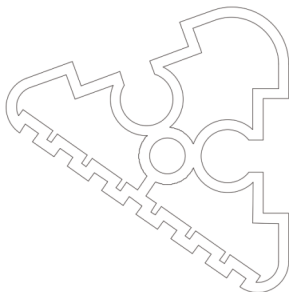
Corner pillar



Attach the consoles to the corner pillars in the desired height for each shelf module. Screws must be sufficiently tightened, we recommend a tightening torque of 15Nm.

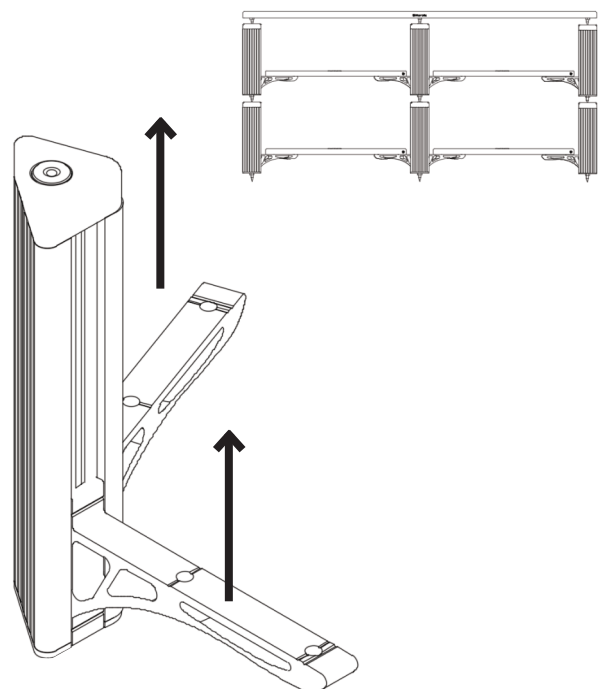


Middle pillar



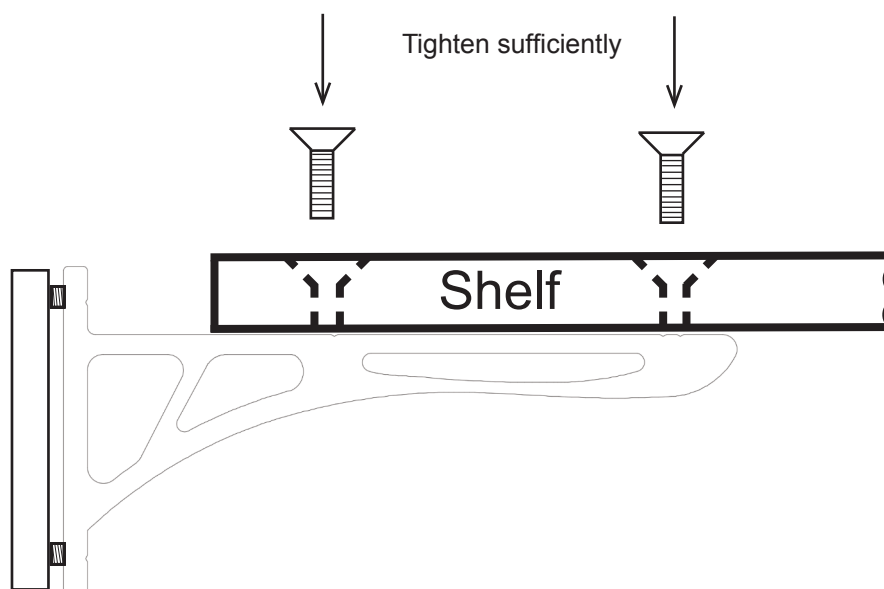
In case you would like to make a side-by-side rack, attach two consoles to the Middle pillar in the desired height for each shelf module.

Screws must be sufficiently tightened, we recommend a tightening torque of 15Nm.

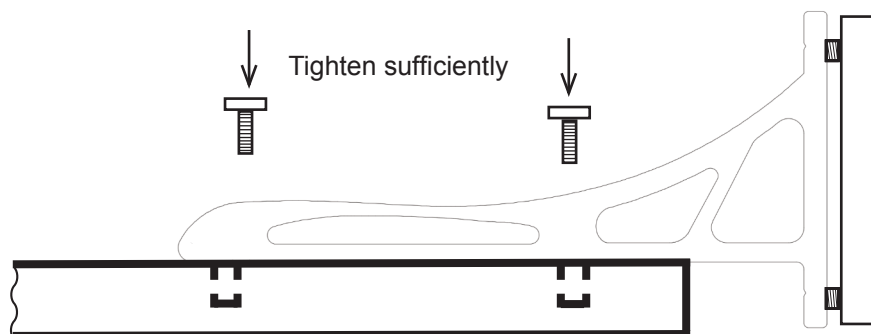


2. Attach the 4 Corner or Middle pillars to the shelf using the 8 top screws.

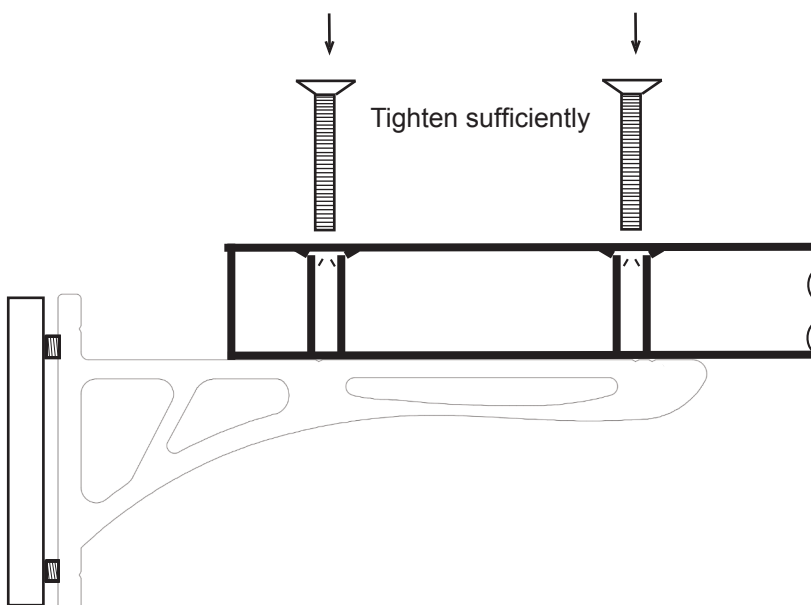
For top mounted shelves (black and white painted)



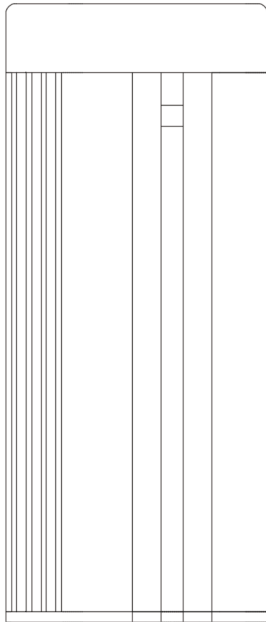
For bottom mounted shelves (wood shelves)



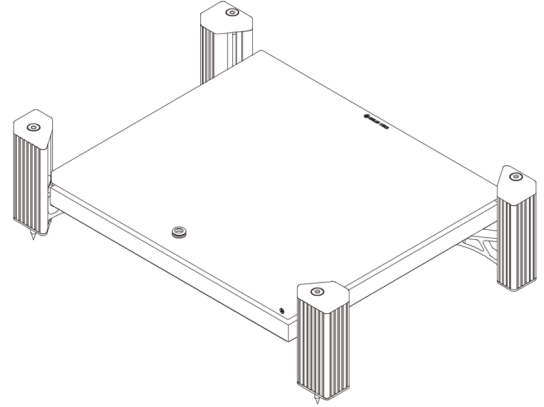
For Isolation shelves HD



3.



The shelf module is now ready and the next module can be made in the same way.



Attach the spikes all the way down.

4.

Hybird 2nd gen. pillars are made with hallow aluminum in order for the user to fill these with sand. The sand will make the sound less clinical and more interesting. The base will become more full-bodied and warm and you will achieve the desired live feeling.

The sand should be around 0,25mm in diameter, dry and loosely packed for best performance as sand with this diameter will vibrate in such a way that the lower level vibrations will be transformed into heat when the sand vibrate.

Full performance of the rack is achieved by combining vibration isolation (Isolations shelf HD) and filling the pillars with sand.

5. (note: only for Isolation shelves HD)

Before mounting the top shelf the four isolator units need to be adjusted to maximize the isolation for the specific load. For best performance the distance between top and bottom shelf should be approximately 12mm (0,47 in) when loaded with the equipment. The adjustment is done by screwing out/in each isolator unit as well as adjusting the amount of springs according to below table.

The Hybrid Isolation-kit HD comes with three springs pre loaded on each isolator unit. In this configuration the base can uphold a maximum weight of 45kg. Twelve extra springs are supplied for a maximum weight of 90 kg. If further load is required twentyfour extra springs can be procured through your Solid Tech dealer.

With the equipment loaded on the top shelf the springs should be at its most outstretched position for the best performance.

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	Weight per shelf	
	Min (kg)	Max (kg)
2 springs	8	30
3 springs	20	45
4 springs	26	60
6 springs	40	90
12 springs	80	180

Follow the table to the right and adjust the four isolation Units pending the load weight.

Mount the top shelf and check the bubble level. If needed adjust the amount of springs or screw the isolator unit to a position where the top shelf is levelled.

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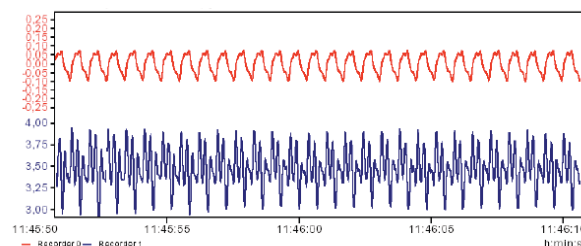
	Weight per shelf	
	Min (lb)	Max (lb)
2 springs	17	66
3 springs	44	99
4 springs	57	132
6 springs	88	198
12 springs	176	397

Measurement result Hybrid Isolation shelf-kit HD

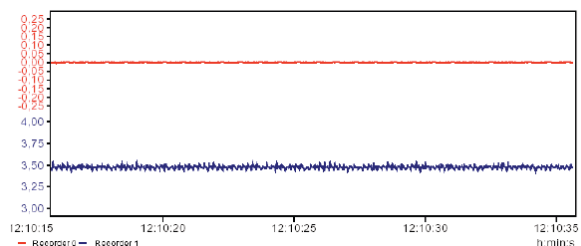
Red Curve = Z direction (the up and down movement)

Blue Curve = X-Y direction (lateral movement – left, right)

50Hz, Sensors (accelerators) placed on the floor



50Hz, Isolations unit placed on the floor, sensor placed on the object on top of the isolation shelf.



At 50Hz the isolation unit reduces the vibrations with 88,44% in X/Y direction and 89,22 in Z direction.