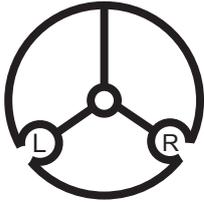


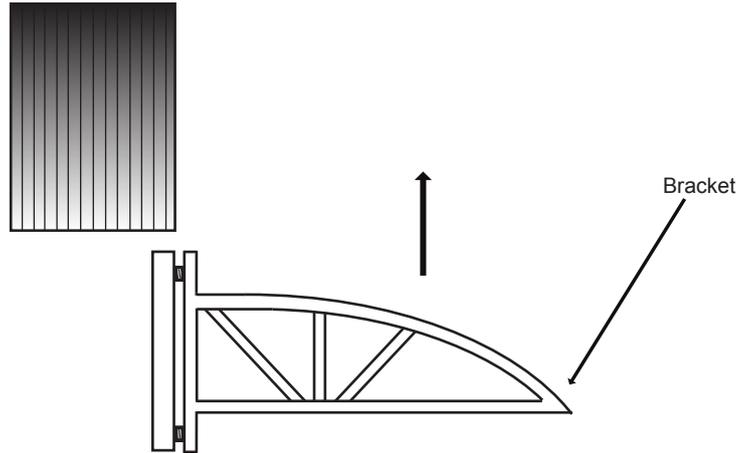
SOLID TECH

Mounting instructions for the Balance rack

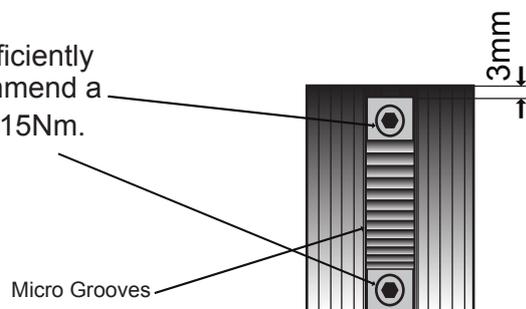
1. Shelf bracket assembly



Half of all corner pillars shall have the shelf bracket(s) mounted to the left (L) slot and the other half to the right (R) slot.

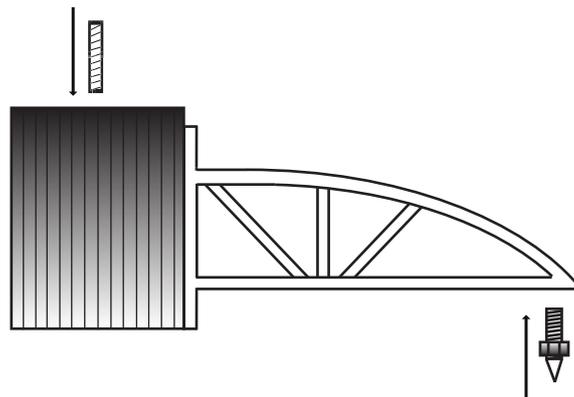


Screws must be sufficiently tightened, we recommend a tightening torque of 15Nm.



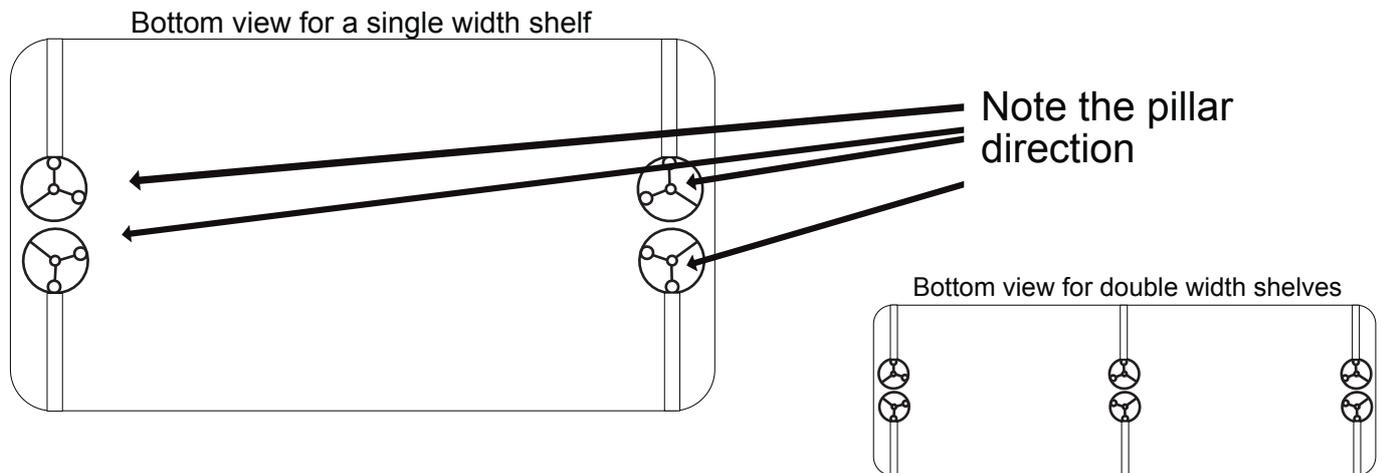
Leave the bracket 3mm from the top and fully aligned with the bottom according picture.

- Attach the spike or "Spike Fixed Floor Protector" to the foot
- Attach the stud bolt on top of the "shelf bracket assembly (stud bolt is found in the package of the corner pillars).



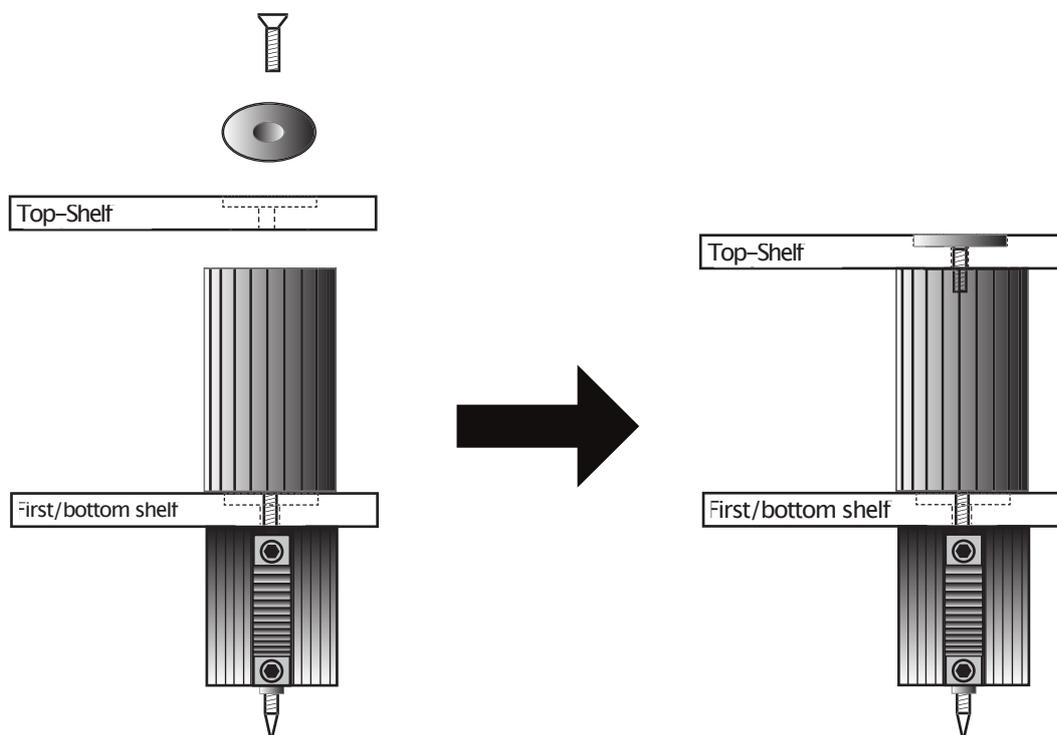
2. Mount the feet and the first level pillars

- Mount the next level corner-pillar and the “shelf-bracket assembly” to the shelf at its correct corner (see picture below).
- The shelves have a front side and back side, the back side is marked with a sticker.



3. Mount the remaining shelves and top kit

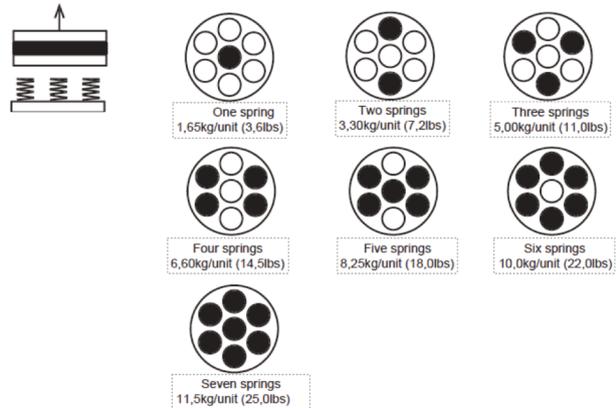
- Attach the stud bolt on the next coming corner pillar and add the following shelf
- Repeat until top shelf
- Attach the top shelf, top lid and top screw



4. Iso shelf mounting (does not apply for Basic shelves)

Remove the upper part of the isolation unit so that each spring can be removed.

Adjust the amount of springs to optimize the isolation efficiency. With the equipment loaded on the top shelf the distance between top shelf and bottom shelf should be around 1 -3mm for optimal suspension performance.



Follow the table to the right and adjust the four isolation units per shelf.

K	Std spring		HD spring	
	Min (kg)	Max (kg)	Min (kg)	Max (kg)
4 springs	2	3	7	12
8 springs	7	12	17	28
12 springs	12	20	25	42
16 springs	16	26	34	56
20 springs	20	33	42	70
24 springs	23	39	51	85
28 springs	27	45	60	100

Mount the top shelf and check the bubble level. If needed adjust the amount of springs so that the top shelf is leveled correctly.

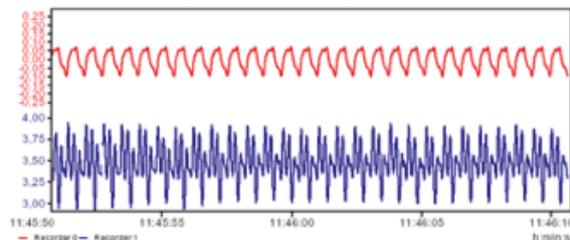
P O U N D S	Std spring		HD spring	
	Min (kg)	Max (kg)	Min (kg)	Max (kg)
4 springs	4	7	16	26
8 springs	16	26	37	62
12 springs	26	44	55	92
16 springs	34	57	74	123
20 springs	44	73	92	154
24 springs	51	86	112	187
28 springs	59	99	132	220

Balance Iso shelves comes with 28 already installed standard springs. For loads exceeding 45 kg the springs will need to be exchanged to HD springs for optimal performance. HD Springs will need to be requested as a separate item from your Audio equipment dealer.

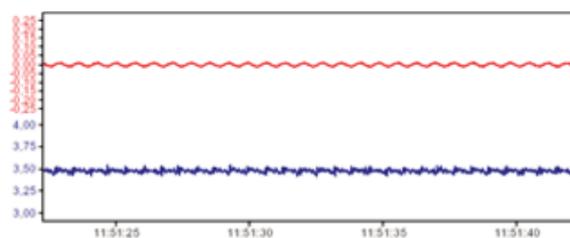
Measurement results on the isolation units

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



At 50Hz the isolation unit reduces the vibrations with 77,73%