Slat Spacing & Hardware Guide

Build a stunning, renter-friendly built-in partition without drilling your floors.

Create a custom floor-to-ceiling room divider with perfect vertical lines and beautiful natural warmth. This guide helps you calculate your layout and securely install hidden tension hardware.



Key Dimensions & Materials

1.5 in
Oak-veneered MDF thickness for rigidity

3 mm
Felt-lined base plate protects floors

M8
Hidden tension mounts for friction fit

3/4 in
Forstner bit for the hardware cavities

2 in
Exact drill depth for threaded anchors

1 off-cut
Scrap slat as spacer for gaps

Seal Out Ambient Moisture

Brush a high-quality sanding sealer over every exposed surface to lock out humidity and guarantee your vertical lines remain razor-straight for decades.

Adjusting For Uneven Ceilings

Find your row: **Ceiling Variance**

Ceiling Variance	Your pick	Why
Under 1/4 inch	Standard thread extension	Adjust with a basic wrench
1/4 to 1/2 inch	Deep thread extension	Needs longer carriage bolts
Over 1/2 inch	Custom trim length	Cut specific individual slats

Pre-Build Site Checks

- ○ Measure total desired width in inches with a rigid tape measure.
- ○ Check ceiling height every two feet to identify hidden slopes.
- ○ Verify your tension mount thread size matches your inserts exactly.
- ○ Confirm your construction adhesive bonds with both MDF and metal.
- ○ Test the friction fit on a single scrap piece first.

Installation Sequence

1. **Plan Your Layout** Subtract one slat width from total width, then divide by one slat plus one gap.
2. **Prep The Edges** Melt iron-on real wood edge banding into the core to conceal raw engineered sides.
3. **Align The Plates** Snap a floor chalk line and drop a plumb bob for the top ceiling track.
4. **Secure The Mounts** Coat anchor threads with construction adhesive and freeze with a secondary locking nut.
5. **Test Wall Stability** Give the center a firm push to confirm tension mounts are fully engaged safely.

Project Notes

Enjoy your beautifully zoned space and the gorgeous natural light filtering through!