Pull-Out Hardware & Measurement Guide

Build a seamless, hidden under-stairs closet tailored to your space.

Transform that awkward void into massive hidden storage. Use this guide to source the right hardware and calculate perfect clearances for a flawless finish.



Clearances & Dimensions

3/8 in
Minimum bottom gap for hard floors

+ 1/2 in
Extra bottom clearance for thick runners

1/8 in
Panel gap for seasonal wood expansion

45 degrees
Back-beveled edges on trailing baseboard

36-48 in
Typical depth based on stair cavity

35-40 degrees
Slope for stepped level shelves

40 in
Rod height above first shoe shelf

8 in
Spacing between everyday lower shoe shelves

Seamless Finish & Protection

Prime raw angled baseboard cuts to prevent moisture swelling, and skim coat the MDF front with joint compound for an invisible, wall-matched finish.

Material Thickness Guide

Find your row: **Closet component**

Closet component	Your pick	Why
Base platform	3/4-inch plywood	Supports entire structural load
Vertical dividers	5/8-inch plywood	Separates coats from shoes
Fixed shelves	1/2-inch plywood	Adds horizontal rigidity
Back panel	1/4-inch plywood	Prevents diagonal sway
Front face	3/4-inch MDF	Seamless paintable surface

Hardware & Installation Steps

1. **Anchor bottom slides** Check packaging for your needed load rating, like 500lb bottom slides, and anchor into solid joists.
2. **Mount touch latches** Install heavy-duty magnetic flush touch latches near the center edge for a reliable, handle-free release.
3. **Add automatic lighting** Run 3000K battery-operated motion-sensor tape along the top interior edge to illuminate the deep cavity.
4. **Prevent lateral sway** Install concealed guide wheels at the top inner corner of the drywall to keep the drawer vertical.
5. **Secure the framing** Assemble with cabinet-grade pocket hole screws and wood glue, then mount rigid steel closet rods.

Pre-Build Checks

- [ ] Verify floor levelness across the entire extension path before cutting.
- [ ] Measure available hallway space to ensure the drawer won't block walking.
- [ ] Find the maximum cavity depth at the lowest stair point.
- [ ] Locate solid floor joists to safely anchor your slide tracks.

Project Notes

Enjoy your beautifully organized, perfectly hidden hallway storage!