



Ultimate Skadis Modular Drawer System (Support-Free) UPDATE 1.2

 **Karol**

[VIEW IN BROWSER](#)

updated 18. 10. 2026 | published 18. 10. 2026

Summary

Modular Skadis drawer with tilt-lock mechanism, optional PTFE glides, removable baskets, and zero supports required.

[Hobby & Makers](#) > [Organizers](#)

Tags: [organizer](#) [ikea](#) [modular](#) [storage](#) [workshop](#)
[pegboard](#) [toolstorage](#) [skadis](#) [drawer](#) [ikeaskadis](#)
[supportfree](#) [skadisorganizer](#) [skadisdrawer](#)

Ultimate Skadis Modular Drawer System

Upgrade your IKEA Skadis pegboard with a fully modular, highly functional, and space-efficient storage solution designed specifically for smooth 3D printing and maximum utility.

UPDATE LOG

Update v1.2:

- Added Wave front drawers (compatible with all basket inserts and standard housing modules).

Update v1.1 - New 2-Drawer Module & Compatibility Enhancements:

- Added 2-Drawer Module: You can now print a smaller 2-drawer housing module alongside the original 4-drawer version.
- Grid Realignment Slots: Added clearance cutouts on the back of the 4-drawer module body. This allows full vertical interchanging and mixing of 2-drawer and 4-drawer modules in any sequence on the Skadis board.
- New Attachment Part - Skadis Side Support: Due to the Skadis pegboard hole pattern layout, mixing 2-drawer and 4-drawer modules vertically can cause the Uni-Hook mounting point to fall in the center of the module rather than the sides. To prevent side-to-side tilting in these specific layouts, install the new "Skadis Side Support" clips into the empty Uni-Hook slots on the sides.
- Skadis Uni-Hook 4mm: Added to decrease the angle needed to push the module onto the pegboard. Useful for mounting points in the center.

Update 03.10.2026:

- Added a model for the front name tags.

Dimensions and Skadis Grid Fit

- Skadis 4-Drawer Module Body: 120 mm (width) x 98 mm (depth) x 138 mm (height)
- Skadis 2-Drawer Module Body size: 120 mm (width) x 98 mm (depth) x 68 mm (height)
- Usable internal drawer space: 105 mm (width) x 78 mm (depth) x 30 mm (height)
- Board capacity: Fits up to 4 Skadis 4-Drawer Module Body vertically and 6 modules horizontally on a standard 560x760 mm Skadis board.

Key Features

- Heavy-Duty Uni-Hook Mounting: Uses two Skadis Uni-Hooks printed separately for maximum mechanical strength and a tight, secure press-fit without requiring supports.

- **Smart Tilt-Lock Mechanism:** Drawers extend fully with a 15-degree downward tilt at the end position to prevent accidental drops.
- **Easy Quick-Release:** Rotating the drawer slightly left or right at full extension disengages it from the guide rails for complete removal.
- **Customizable Labels:** Every drawer features dual slots for slide-in label cards to keep your setup organized.
- **Optional PTFE Super-Smooth Motion:** Integrated side slots accept short PTFE tube segments (standard 4mm OD / 2mm ID printer tubing) for ultra-smooth gliding action. (Optional, not strictly required).
- **Modular Insert Baskets:** Removable insert baskets designed for multi-compartment drawers (2-drawer and 4-drawer versions) allow you to pick up individual sections to pour out tiny components without spilling the rest of the drawer.
- **Dual Front Styles:** Choose between the **Utility Edition** (clean geometric design with dual label slots for tool/part identification) and the **Wave Edition** (decorative organic front with integrated finger pulls for home and craft spaces).

Available Models and Variants Main Drawers:

- 4-Drawer Module Body (v2 - Updated with universal rear cutouts)
- 2-Drawer Module Body (New double-drawer housing)
- 1-drawer and 1-drawer_wave: Single open drawer without dividers
- 2-drawer and 2-drawer_wave: Divided into 2 equal compartments
- 4-drawer and 4-drawer_wave: Divided into 4 equal compartments

Insert Baskets (for 2-drawer and 4-drawer models):

- Full-segment basket (2-drawer_1-basket, 4-drawer_1-basket)
- Long split basket (2-drawer_2-basket_long, 4-drawer_2-basket_long)
- Short split basket (2-drawer_2-basket_short, 4-drawer_2-basket_short)
- 3-part split basket (2-drawer_3-basket, 4-drawer_3-basket)

Mounting Hardware:

- Skadis Uni-Hook (Primary load-bearing hook)
- Skadis Side Support (Anti-tilt stabilizer clips for central hook positioning)

Recommended Print Settings

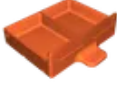
- **Material:** PETG recommended (PLA or ABS can also be used).
- **Supports:** None! 100% Support-Free design.
- **Layer Height:** 0.2 mm.

- Wall Loops / Perimeters: 2 walls.
- Infill: 15% infill.

Assembly Notes

- Print the Skadis Uni-Hooks separately and push them into the mounting slots on the module body for a tight press-fit.
- (Optional) Cut small segments of 4mm OD / 2mm ID PTFE tubing and fit them into the designated side slots on the drawers for enhanced glide smoothness.
- **Existing Users Note:** If you are upgrading or mixing module sizes and notice your module uses a single centered hook, simply print two "Skadis Side Support" pieces and snap them into the side slots below the Skadis Uni-Hook 4mm to keep the module completely stable and flush against the pegboard.

Model files

	drawers	7 files
	front_name_tag_insert.stl	
	1-drawer.stl	
	2-drawer.stl	
	4-drawer.stl	



1-drawer_wave.stl



2-drawer_wave.stl



4-drawer_wave.stl



2-drawer baskets

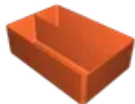
4 files



2-drawer_1-basket.stl



2-drawer_2-basket_short.stl



2-drawer_2-basket_long.stl



2-drawer_3-basket.stl



4-drawer baskets

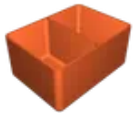
4 files



4-drawer_2-basket_long.stl



4-drawer_1-basket.stl



4-drawer_2-basket_short.stl



4-drawer_3-basket.stl



Mounting Hardware

3 files



skadis-uni-hook.stl



skadis-uni-hook-4mm.stl



skadis-side-support.stl



skadis-4-drawer-module-body.stl



skadis-4-drawer-module-body-v2.stl



skadis-2-drawer-module-body.stl

License ©



This work is licensed under a
Creative Commons (4.0 International License)

Attribution—Noncommercial—Share Alike

-
- ✗ | Sharing without ATTRIBUTION
 - ✓ | Remix Culture allowed
 - ✗ | Commercial Use
 - ✗ | Free Cultural Works
 - ✗ | Meets Open Definition