



QuickDock Grab Bin - Locking, Removable Bins



Snowman

[VIEW IN BROWSER](#)

updated 22. 10. 2026 | published 22. 10. 2026

Summary

The removable bin that doesn't remove its pegboard hooks with it.

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The removable bin that doesn't remove its pegboard hooks with it.

Every pegboard bin I've used has the same problem. You grab the bin, the hooks lift with it, and the whole thing comes off the wall or drops behind the board. QuickDock fixes that by splitting the job in two:

A base plate hooks into the pegboard and locks. It stays on the wall.

The bin slides down onto two dovetail rails on the plate and lifts straight off. It only touches the plate, never the hooks.

Everything goes in from the front. You never have to reach behind the board.

Install in three moves

Push in. With the orange lever pointing up (OPEN), lift the plate a little and push the two hooks and the round cam key straight into the holes.

Drop. Let it drop. The hook tips catch behind the board.

Lock. Swing the lever down to LOCK. Now the plate can't lift off.

Then slide a bin down onto the rails. To use it, lift the bin straight up and take it to the bench. The plate stays locked on the wall.

How the lock works

The plate uses three holes: two hooks in the top row (2 inches apart) and a cam key in the middle hole two rows down.

The cam key's shaft sits in the bottom of its hole. When the lever is up, there's a 2 mm gap above the shaft. That gap is exactly the room the hooks need to lift out.

Swing the lever down and an off-center lobe on the cam turns into that gap and fills it. With nothing to lift into, the hooks can't come out, however you pull on the bin.

At the same time, a small ear on the back end of the cam swings up behind the board, so the bottom of the plate can't rock forward either.

Gravity holds the lever down. With a bin on the rails, the lever also can't swing far enough to unlock, and you can't put a bin on while the lever is up. So you can't forget to lock it.

What's included

Universal QuickDock base plate with cam key and lever

Open parts bin: 100 × 70 mm, 64 mm tall at the back, low 36 mm front for easy grabbing

Divided parts bin: same size with a center divider

Tool cup: 64 × 50 × 90 mm for screwdrivers, pens and pliers, with a scoop at the front

Two test gauges for hole size and board thickness

OpenSCAD source with every size in the Customizer

Spacing: mount plates 4 inches apart (center to center) for the open and divided bins, 3 inches apart for tool cups.

Model files



Guages (print First to test size needed)

3 files



gauge_board_thickness_3-16_holes.stl



gauge_board_thickness_1-4_holes.stl



gauge_hole_diameter.stl



Bins and Lever (fit all sized bases)

4 files



quickdock_lever.stl



quickdock_bin_open.stl



quickdock_bin_divided.stl



quickdock_tool_cup.stl



3MF

9 files



quickdock_3-16-32mm.3mf



quickdock_1-4-64mm.3mf



quickdock_3-16-38mm.3mf



quickdock_1-4-52mm.3mf



quickdock_1-4-70mm.3mf



quickdock_1-4-46mm.3mf



quickdock_1-4-58mm.3mf



quickdock_3-16-44mm.3mf



quickdock_3-16-26mm.3mf



Base 1-4 7mm

2 files



quickdock_cam_key.stl



quickdock_plate.stl



Base 1-4 6.4mm

2 files



quickdock_plate.stl



quickdock_cam_key.stl



Base 1-4 5.8mm

2 files



quickdock_cam_key.stl



quickdock_plate.stl



Base 3-16 4.4mm

2 files



quickdock_plate.stl



quickdock_cam_key.stl



Base 3-16 3.8mm

2 files



quickdock_cam_key.stl



quickdock_plate.stl



Base 3-16 3.2mm

2 files



quickdock_cam_key.stl



quickdock_plate.stl



Base 3-16-2.6mm

2 files



quickdock_cam_key.stl



quickdock_plate.stl



Base 1-4 5.2mm

2 files



quickdock_cam_key.stl



quickdock_plate.stl



Base 1-4 4.6mm

2 files



quickdock_cam_key.stl



quickdock_plate.stl

Other files



quickdock_printables_2.zip

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