



INSTALLATION INSTRUCTIONS

Model: KD38
Type: SSS Clean Tread™ Stainless Steel Grating and Frames

INTRODUCTION

Proper installation of Kadee Industries stainless steel grating—whether with or without a frame—is essential for long-term performance and appearance. While the process is relatively straightforward, care and precision are critical to ensure a solid, secure fit that avoids rattling or uneven surfaces.

UNPACKING AND INSPECTION

Upon delivery, verify the shipment against the packing slip to ensure all grating panels, frames (if applicable), hardware, and shop drawings are included. Inspect all items for shipping damage before removing them from their crates. If any damage is found, file a freight claim immediately and wait for an adjuster's verification.

FRAME INSTALLATION

(If frames are not included, skip to *Grating Installation Without Frame*)

Begin by removing the grating panels from the frame by loosening the lockdown devices with the supplied Allen wrench. Note that some systems may include multiple frame sections. Each grating panel is custom-fit to its specific frame section and must be reinstalled in its original location. Follow the markings on the frame to assemble the sections using the provided hardware.

Grouting straps should be installed into the threaded channel on the outside (or underside) of the frame at two-foot intervals. These straps may be bent as needed. The frame must be securely blocked during the pour to prevent deformation from the pressure of wet concrete or grout. Warping of even 1/4" can affect the fit of the lockdown bolts.

Place the frame into the recess and shim it until the top is flush with the finished floor. Grouting cement should be poured between and around the tie bars to reach the inner edge of the perimeter frame. Take care to keep all grating surfaces and tie bars free of cement. The recess floor must be flat and level, with tie bars flush to ensure proper seating of the grating.

Once the cement is poured but not yet set, verify all dimensions against the provided drawings. Then lay the grating into the recess to mark the location of all lockdown devices. Remove the panels and drill for the lead anchors. Epoxy may be used to secure the anchors before they are inserted. After the cement cures, protect the opening with plywood or another insert until final installation.

GRATING INSTALLATION (WITH FRAME)

Install anchor bolts into the slotted tabs on the grating panels. Transparent tape can be used to hold the bolts in place during handling. Lay the grating into the frame and align the lockdown bolts with the threaded channels and intermediate tie bars. Ensure all panels are installed in their marked configuration per the drawings.

Tighten all bolts using the Allen wrench. Do not fully tighten any bolt until all have been partially secured, then tighten in a crosswise sequence, similar to torquing lug nuts, to eliminate slack or distortion. Minor variances in "on center" spacing may cause surface wires or rods to appear slightly misaligned between adjacent panels. A flat and level recess floor will ensure a firm, flush installation with minimal deflection or noise.

GRATING INSTALLATION (WITHOUT FRAME)

If no frame is used, pour the slab to a depth that allows the grating to sit level with the adjoining floor. Lay out the panels according to the drawing, then mark and drill the locations of the lockdown bolts. Insert lead anchors with epoxy if needed.

Install the anchor bolts into the slotted tabs and lay the grating into the recess. Align the bolts with the anchors, then tighten following the same crosswise sequence described above. Properly installed grating on a flat surface will sit securely and perform as intended.

FINAL INSPECTION

After installation, regularly inspect the grating to ensure that all lockdown bolts remain tight and that the grating is level with the surrounding floor. Ensure all panels are clean and free from obstructions. Refer to Kadee Maintenance Instructions for ongoing care.