

DTS Series

Note: Verify that the structural gap dimensions are in conformance with submittal data before beginning installation. If this is a Fire Rated Assembly, the fire barrier must be installed before the Architectural Joint System. Refer to the fire barrier instructions for specific system installation.

Figure 1

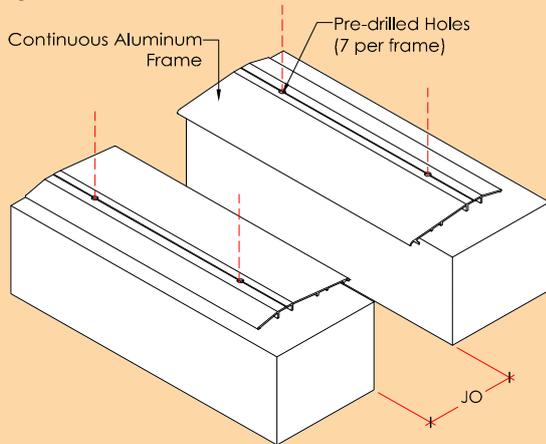


Figure 2

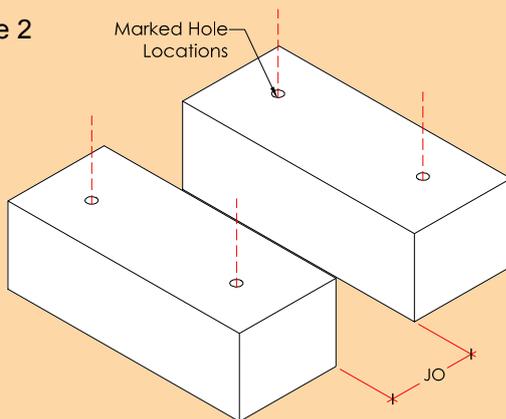
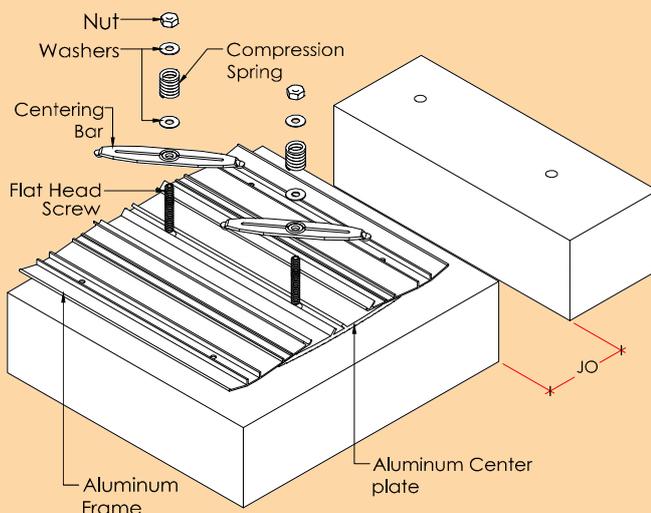


Figure 3



1. Install the expansion joint system on a level surface. Verify the installation location and condition, any defects on the structural gap substrate must be repaired. It is important that the surfaces are free of all foreign materials or loose particles and must be clean, clear, hard, dry, solid, straight and leveled before beginning installation.
2. Cut the aluminum components to the required length.

Figure 1

3. Place the surface mount frames on both side against the structural gap as a template, ensure the angled leg of the frame is flush against the joint face and mark holes on the substrate. Remove the frames.

Figure 2

4. Drill the marked holes on the substrate using a 1/4" (6mm) concrete drill bit 2-3/4" (70mm) depth.

Optional: The EPDM Vapor Barrier installed before the DT System. Lay continuous bead of micro sealant tape on top of the existing surface substrate on both sides of the structural gap. Place the vapor barrier evenly on the surface substrate allowing the excess material draped in the structural gap.

Figure 3

5. Place the center plate beneath both frames upside down position next to the structural gap area where it is to be installed. Insert flat head screw into the slot on the center plate, space approximately starting 6" from each end and 18" maximum on center. Place one centering bar to each screw with the rounded domes facing and fit into the channels of both frames, aligned diagonally and parallel to each other. Then place one compression spring to each screw followed by the washer with nut and tighten to secure the system assemblies.



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Figure 4

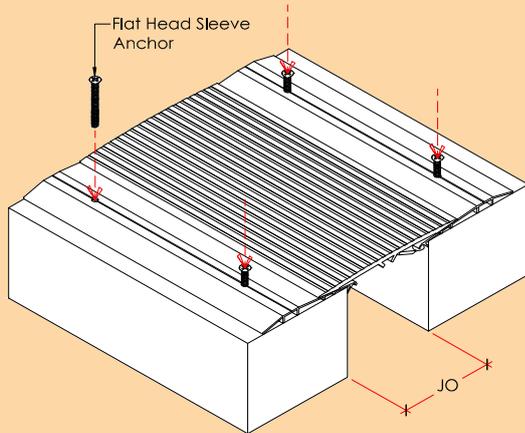


Figure 4

6. Flip the system into the proper position on the structural joint opening and align the pre-drilled holes of each frame into the substrate drilled holes. Once the expansion joint assembly is properly positioned to the substrate secure using 1/4" (6mm) Flat Head Sleeve Anchors and tighten to secure the system in place.

Figure 5

7. For completion of installation, Clean the exposed surfaces with non-solvent cleaner.

Figure 5

