

**WAC 296-826-60005 Mounting containers on trucks, semi-trailers and trailers.** (1) You must make sure the method for attaching any container to the cradle, frame, or chassis of a vehicle is based on both of the following:

(a) Two "g" loading in either direction;

(b) Using a safety factor of at least four based on the maximum strength of the material used.

**Note:** Two "g" is either of the following:

1. For load support it is equivalent to three times the static weight of the supported articles.
2. For loading and bending, acceleration, and torsion it is equivalent to twice the static weight support applied horizontally at the road surface.

(2) You must secure both ends of the hose during transit.

(3) You must follow the requirements in Table 14, Additional Container Mounting Requirements.

Table 14  
Additional Container Mounting Requirements

If you have:	Then:
"Hold-down" devices	<ol style="list-style-type: none"> <li>1. Anchor the container to the cradle, frame, or chassis so there is no area of unnecessary stress.</li> <li>2. Lock the container down tightly.</li> <li>3. Provide stops or anchors to minimize movement between the container and the framing.</li> </ol> <p>Note: Movement could be the result of stopping, starting or changing direction.</p>
Vehicles with cargo tanks designed with stress members instead of a frame	<ol style="list-style-type: none"> <li>1. Support the tank with external cradles suspended at least 120° of the shell circumference.</li> <li>2. The design calculation needs to include all of the following stressors:               <ol style="list-style-type: none"> <li>a. Beam;</li> <li>b. Shear;</li> <li>c. Torsion;</li> <li>d. Bending moment;</li> <li>e. Acceleration;</li> <li>f. Any other stresses covered by the code of the cargo tank design.</li> </ol> </li> </ol>
A liquid withdrawal line installed in the bottom of a container	Make sure the connections to the container, including the hose, are not lower than the lowest horizontal edge of the trailer axle.
A cradle and container that are not welded together	Use suitable material between them to eliminate metal-to-metal friction.

[Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050. WSR 15-23-086, § 296-826-60005, filed 11/17/15, effective 12/18/15. Statutory Authority: RCW 49.17.010, 49.17.040, 49.17.050, 49.17.060. WSR 06-10-067, § 296-826-60005, filed 5/2/06, effective 9/1/06.]