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| **Double Tank Uplift Protection Reference Table** |
| **Tank Diameter (ft)** | **Tank Weight per Unit Length (lb/ft)** | **Trench Side Slope (degrees)** | **Minimum Soil Cover Thickness Required (ft.)** | **Tank Spacing (ft.)** | **Bottom of Trench Width (ft.)** | **Recommended TankAnchor® Material** | **Length of Material per Unit Length of Tank (ft)** | **Rated Safety Factor** |
| 5 | 66 | 34 | 2.0 | 3.0 | 16.0 | Type A | 104.4 | 2.24 |
| 45 | 2.0 | 3.0 | 16.0 | Type A | 89.2 | 1.96 |
| 53 | 2.0 | 3.0 | 16.0 | Type A | 81.6 | 1.82 |
| 6 | 88 | 34 | 2.0 | 3.0 | 18.0 | Type B | 120.8 | 1.93 |
| 45 | 2.0 | 3.0 | 18.0 | Type B | 102.7 | 1.67 |
| 53 | 2.0 | 3.0 | 18.0 | Type B | 93.7 | 1.54 |
| 8 | 102 | 34 | 2.0 | 3.0 | 22.0 | Type C | 153.5 | 1.55 |
| 45 | 3.0 | 3.0 | 22.0 | Type C | 129.8 | 1.62 |
| 53 | 3.0 | 3.0 | 22.0 | Type C | 118.1 | 1.48 |
| 10 | 144 | 34 | 3.0 | 4.0 | 27.0 | Type D | 189.3 | 1.66 |
| 45 | 3.0 | 4.0 | 27.0 | Type D | 160.1 | 1.41 |
| 53 | 3.0 | 4.0 | 27.0 | Type D | 145.5 | 1.29 |
| 12 | 270 | 34 | 3.0 | 4.0 | 31.0 | Type E | 222.0 | 1.48 |
| 45 | 3.0 | 4.0 | 31.0 | Type E | 187.2 | 1.25 |
| 53 | 3.5 | 4.0 | 31.0 | Type E | 169.8 | 1.22 |



TankAnchor® is engineered and calculated for a minimum 1.2 rated safety factor.

the values presented on this table are for estimate purposes and only valid for the listed soil conditions, tank sizes/ weights and trench geometries.

TankAnchor® is utilized for an open cut trench excavation with a trench slope of 34°, 45°, or 53°.

\*\*cannot be used with a shored hole excavation\*\*

**TankAnchor®**