



,7600 Santa Fe Dr., Bldg B West, Houston, TX 77061 713-242-7700

## WATER TAP SHIELD MANUFACTURER'S TABULATED DATA

**TSR-C4WT081010RC**

**MODEL NO.**

**C240371**

**SERIAL NO.**

### MAXIMUM DEPTH TABLE

| SOILTYPE | EFP | MAXIMUM DEPTH<br>(FT) |
|----------|-----|-----------------------|
| A        | 25  | 40                    |
| B        | 45  | 37                    |
| C60      | 60  | 29                    |
| C        | 80  | 22                    |

**1504 PSF**

**SHIELD CAPACITY**

**7,316 LBS**

**WEIGHT**

### CONDITIONS FOR USE OF TABULATED DATA

1. This tabulated data has been prepared by a licensed professional engineer as required to comply with the OSHA standard 29 CFR Part 1926, Subpart P.
2. Shields must be used in a manner consistent with safe working procedures, federal, state, and Local regulations.
3. A competent person, who has been trained in the proper use of shields, safe excavation practices and soil classification methods must direct and control the use of this shield.
4. The competent person must be knowledgeable and capable of complying with all federal regulations, state and local laws and ordinances.
5. The soil type A, B, and C are as defined in the OSHA Standard. Soil type C60 is a moist, cohesive soil or a moist dense granular soil, which is not flowing or submerged and has an Equivalent Fluid Pressure (EFP) of 60 PSF per foot of depth.
6. The competent person must monitor the excavation for any signs of deterioration or condition change that may alter soil classifications such signs are indicated by, but not limited to, freely seeping water or flowing soil entering the excavation around or below the shield.
7. This shield shall be used in accordance with the depth chart. The maximum depth is the distance from the surface of the excavation to the bottom of the including adjacent slopes of 3/4:1 in A soil, 1:1 in B soil and 1-1/2:1 in C soil.
8. Depth ratings shown are based upon examples of homogeneous soil conditions. Soil pressures may vary due to non-homogeneous soils, surcharge loads, and slope or embankment (layback).
9. No surcharge load is considered in the tabulated maximum panel capacity and depth rating. Surcharge loads occur due to heavy equipment, vibrations, or soil piles adjacent to the where adjacent is defined as within a distance equal to the depth of the . state and Local Regulations and Provisions shall be followed for surcharge loading application.
10. This shield is not intended to provide stability to adjacent buildings or other structures susceptible to lateral instability of the supporting soils.

### GENERAL NOTES FOR TRENCH SHIELD USE:

1. Modifications of any kind to this shield not specifically allowed by Cerda Industries. in writing will void this data.
2. Maximum depths are based on shields being in structurally sound condition. This shield should be inspected prior to each use for damage or deterioration. If a shield has sustained major structural damage or permanent deformation of a structural member or connection, the tabulated data is void until repairs are made as specified by a licensed professional engineer.
3. The use of Cerda Industries shields shall be in accordance with this tabulated data and all requirements of the OSHA standard. Shield usage other than specified or required may create unsafe conditions that could cause a cave – in, structural failure, or collapse resulting in a disabling injury or even death. CERDA. shall not be liable for shield usage other than specified. Use of this shield not in accordance with manufacturer's tabulated data could cause injury or death.



3/19/2024