



Easy Dig 4' diameter Circular Trench Cage Tabulated Data

Soil Type	Maximum Depth	Cage PSF	Certified By:
A25	26' 4"	660 PSF	ProForma Engineering
B45	14' 6"	660 PSF	
C60	11'	660 PSF	
C80	8' 2"	660 PSF	
SOIL TYPE CLASSIFICATIONS			
Type A-25	Type B-45	Type C-60	Type C-80
Cohesive soil. 25 PSF per foot of depth	Medium cohesive to granular soil. 45 PSF per foot of depth	Soft cohesive to submerged soil. 60 PSF per foot of depth.	Soft cohesive to submerged soil. 80 PSF per foot of depth.
Clay with unconfined compressive strength greater than 1.5 TSF. Clay, silty clay, sandy clay, and clay loam.	Clay with unconfined compressive strength greater than .5 TSF but less than 1.5 TSF. Cohesionless gravel, silt, silt loam, or sandy loam.	Soft cohesive soil unconfined compression strength less than .5 TSF. Gravel, sand and loamy sand; submerged soil or pock that is not stable.	Soft cohesive soil unconfined compression strength less than .5 TSF. Gravel, sand, and loamy sand; submerged soil or pock that is not stable.
MAXIMUM DEPTH			
Maximum depth as to which the shoring can be used based on specified soil conditions.			
PSF			
Maximum lateral earth pressure capacity at trench bottom in pounds per square foot.			
<i>Reference OSHA: 29CFR, Part 1926, Subpart P- Excavations.</i>			

Tabulated Data

1. Easy Dig's circular trench cages are certified by a registered engineer. They are designed to align with OSHA safety standards (*OSHA: 29CFR, Part 1926, Subpart P- Excavations, Section 1926.652*)
2. Easy Dig's circular 4' Trench Cage is engineered to 660psf with a safety factor of 2 and a buckling safety factor of 4.
3. This data shall be utilized by a competent person only to select maximum allowable trench cage depth.
4. The competent person must classify the soil type correctly according to OSHA Appendix A, Soil Classification.
5. Soil conditions outside of the above tabulated data shall require site specific engineered designs.
6. Tabulated Data is invalid if Easy Dig 4' Diameter Circular Trench Cage is in any way altered or damaged.
7. This Tabulated Data applies only to Easy Dig's 4' Diameter Circular Trench Cage
8. Perform certified condition assessment on a yearly basis or as required by local laws.