Temporary walls are a necessity for many types of staged construction, but the interventional issues for installing them are expensive, requiring heavy lifting and jack-up equipment. Structures such as scissor jacks and staging walls or other jacking systems require one generation assembly greater than the wall height, and they may also need secondary bracing or deadmen to retrain the fill retention. These walls demand the use of expensive equipment and time resulting in significantly increased project costs.

Fortunately, there is a proven technology that allows you to build temporary walls without the challenges and expense of traditional techniques. The Tensar Temporary Retaining Wall System uses an inexpensive wire form facing system along with Tensar® Geogrids to reinforce the ill. These walls can be installed using a small crew and less expensive equipment. The temporary walls can simplify planning and allow for quicker load cell, phased or staged projects and more. And Tensar® Geogrids can be custom designed to meet the owner’s specific needs.

Temporary Retaining Wall System Components

- Temporary Welded Wire-Form
- Tensar® Geogrids
- Geotextile
- Structural Geogrid
- Reinforced fill
- Foundation soil
- Slab

The Tensar Temporary Retaining Wall System

- Provides a permanent end solution that reduces project time and costs.
- Is capable of supporting a variety of loads, including extreme loads.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexible and adaptable.
- Can be designed to meet the owner’s specific needs.
- Can be used to create temporary retaining walls with the ability to handle very large backfills.
- Is highly flexi
Temporary Retaining Wall System Design

**Soil Types**
- Sand: $\phi = 32^\circ$; $\gamma = 120$ pcf; $c = 0$ Silty Sand/Clayey Sand: $\phi = 28^\circ$; $\gamma = 120$ pcf; $c = 0$

**TENSAR® PRO™ SOFTWARE IS COMPATIBLE WITH ALL MAJOR DESIGN METHODOLOGIES**

TensarSoil-PRO Software offers several technologies that enable you to design grade separation solutions to a standard with all major industry-recognized protocols including:
- National Concrete Masonry Association – NCMA 1997
- American Association of State Highway and Transportation Officials – AASHTO LRFD 2010

TensarSoil-PRO Software includes information on all Tensar wall and slope systems. For assistance, include your fluid interface, geogrid grade or layout, surcharge load and/or soil characteristics – plus a single screen image – to obtain results for internal and external stability parameters. The design charts assume that the walls are constructed in accordance with the Tensar Temporary Retaining Wall System standard specifications. Other requirements and limitations based on actual site conditions may also apply.

**USING THE CHARTS**
- The generalized design charts address two different design scenarios with wall elevations ranging from 6 ft to 15 ft.

**Loading Conditions**
- A horizontal surface at the top of the wall with a uniform surcharge of 250 psf
- Once the most appropriate design has been selected, the charts will provide the suggested geogrid type, and embedment length with geogrid spacing set at 18 in. All lengths listed are measured from the wall face to the last transverse bar on the Tensar® Geogrid and are uniform throughout the given elevation of the wall.

**For further information, please visit www.tensarcorp.com.**