

Salvi References per Guy Cable Range

Single Cable

Anchor device assembly size	Code	Guaranteed UTS [kN]	Maximum real UTS [kN]
1/2" [12.7 mm]	035-140-DK	140	180
7/16" [11.11 mm]	035-160-AK	160	200
5/8" [15.88 mm]	025-7-18-16	180	225
3/4" [19.05 mm]	025-6-26-19	260	385
3/4" [19.05 mm]	035-300-AK	300	385
3/4" [19.05 mm]	035-350-AK	350	385
7/8" [22.23 mm]	025-5-35-22	355	520
7/8" [22.23 mm]	035-410-AK	410	520
7/8" [22.23 mm]	035-420-DK	420	520
1" [25.4 mm]	5347L54	500	615

TOTAL Quantities awarded/supplied in the last 4 years **19,000 units**

Double Cable

Description	Code	Guaranteed UTS [kN]	Maximum real UTS [kN]
3/4" [19.05 mm] Double attachment	5368L256	2 x 350	2 x 385
7/8" [22.23 mm] Single attachment	5347L53	500	670

TOTAL Quantities awarded/supplied in the last 4 years **700 units**

Other Installation Solutions

On previous paragraphs details and advantages of our compression terminals have been outlined, however SALVI could also supply, under specific customer request, alternatives solutions, as:

- Preformed solution
- Implosion solution:

in this alternative same products of the compression solution are used except the upper and lower terminals that will be realized by the implosion system. Implosion components are excluded from our supply.



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Guy Wire Assemblies

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Features & Advantages

In order to meet all the possible requirement in terms of performances (not yet unified by International Standards), we have designed and developed relevant components based on our internal rules and procedures. All mechanical tests carried out by us have proven that on our products the slippage takes place at values exceeding the UTS of the cable. Consequently breaking loads of the components are higher than slipping value assuring an additional safety factor.

Once a correct compression installation is completed, the wire surfaces inside the anchor terminal remains protected and isolated against possible aggressive environmental factors.

Compared to other solution this is certainly an Advantage and a further guarantee of long life lasting. Preformed solutions leave an amount of possible handy dismantable material subject to possible vandal acts and damage attempts.

The Compression solution doesn't allow possible handy dismantable material subject to any vandal acts and damage attempts.

Installation

It is worth to consider the following factors: No special devices are necessary for the installation. Just a standard site hydraulic press and relevant dies are necessary. Salvi could also provide hydraulic presses that are easily transportable, simple to use and very handy (light and compact).

The compression terminal has a passing through hole and consequently it is not necessary to pre-define the length of the guy wire. An optimized length of the wire can be easily and shortly obtained by sliding the wire within the hole up to the correct position.

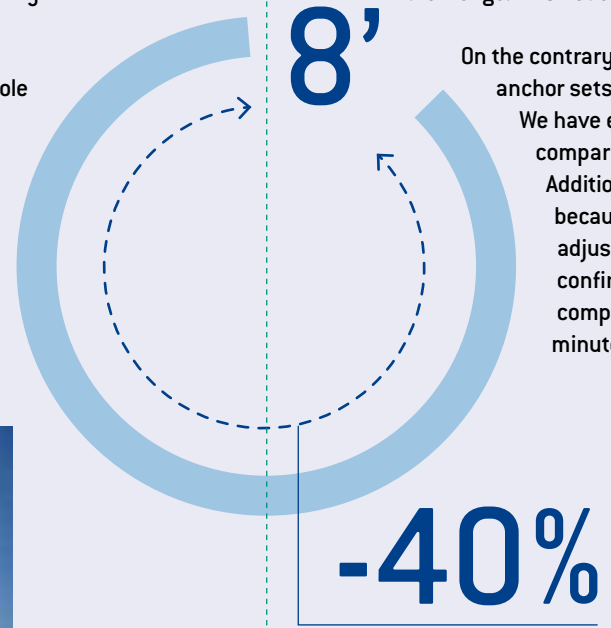
Such installation can be easily done at site once the tower structure is installed.



In order to obtain an acceptable precision the preformed solutions for guy-wires implies that immediately after having selected the correct length of the wire, operators spend several minutes enveloping the rods on the cable and placing the wedge. This action can be made only by hand.

On the contrary the installation process of compression anchor sets is very simple and fast.

We have estimated about 40% time saving compared to the wedge preformed solution. Additionally the installation is more precise because it does not need any initial adjustment. The experience in the jobsite confirmed that complete installation of our compressed solution will take about eight (8) minutes including all adjustments.



Instant full load application

Once the compression is completed and the device is fully assembled, full load can be applied instantly since there is no initial adjustment to make. On the contrary this is needed on the wedge-preformed rods type.



Customized length

The adjusting device consists of two calibrated threaded rods which can be set practically to any lengths Customers need, and allows a large range of fine adjustments. Such solution allows to avoid the possible production defects typical of U-bolts adjustable devices.

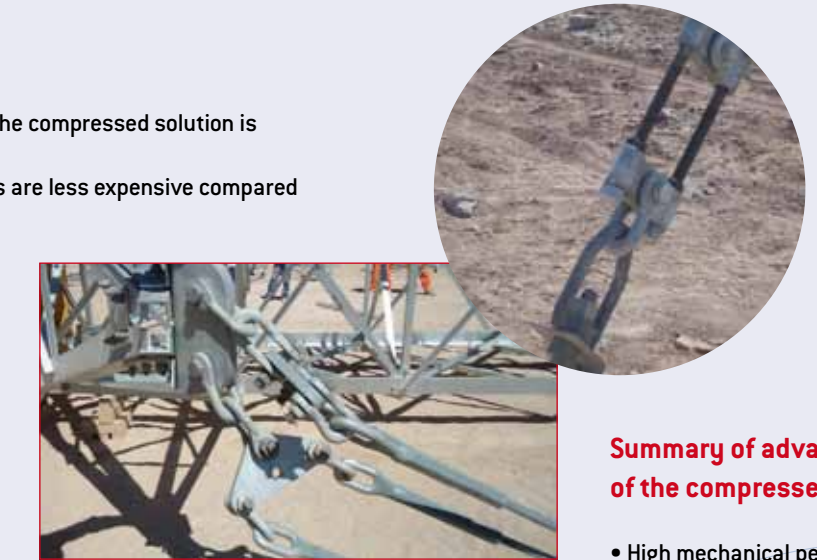
In addition an extension link, as shown in the following photo, could be added allowing to execute all the compression activities in the yard simplifying all site operations mainly where assembly activities have to be carried out in difficult environmental conditions.

The use of the extension links could also be helpful to correct any possible mistake in cutting the length of guy wire.



Packaging and managing of the components

Being composed by few pieces, the compressed solution is easy to handle, pack and move. Packing and transportation costs are less expensive compared to the preformed solution.

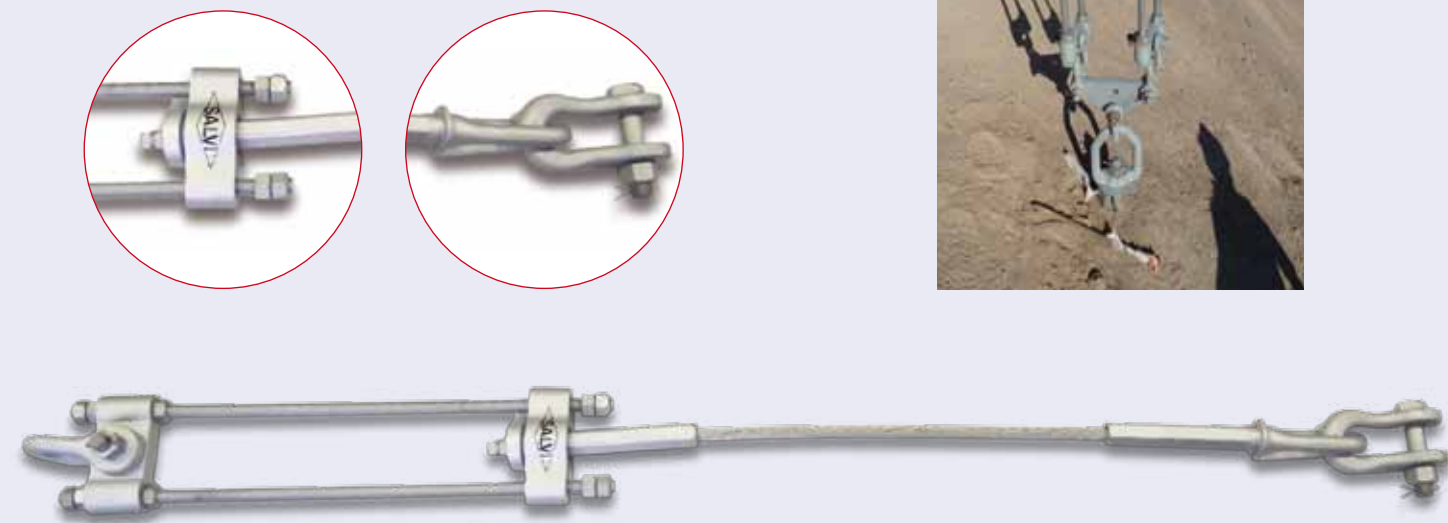


Summary of advantages of the compressed solution

- High mechanical performances
- Fast and easy installation
- Cable length shall not be pre-determined
- Instant full load application
- Easy packaging and handling



SALVI's single and double guy anchor compression devices exposed in IEEE 2014 Exhibition



COMPRESSED SOLUTION