

# Post-tension Tie Rods

## Why stainless?

- Good mechanical properties
- Durability.

## Fabrication process:

Not available.

## Grade:

EN: 1.4057 (AISI: 431), EN: 1.4301 (AISI: 304) and

EN: 1.4401 (AISI: 316).

## Manufacturer:

GeodaG Sistemi Srl, Italy ([geodag.com](http://geodag.com))



The great Roman theatre, the symbol of Verona, dates back to the first half of the 1st Century AD. It was once one of the most important open air opera theatres in the Roman Empire.

Recent restoration work involved the construction of new covering for the central orchestra pit, an underground room and the underground sewage tunnels.

The new covering slab is structurally supported by a system of roof struts and post-tension tie rods. These minimise strains and deformation from loads placed on top. The post tension system used, comprising stainless steel bars, guarantees structural safety, quality and durability.



Clockwise from above: the lower part of the tie rods, detail of the head, and the upper part of the tie rods.

Images courtesy of Centro Inox, Italy

