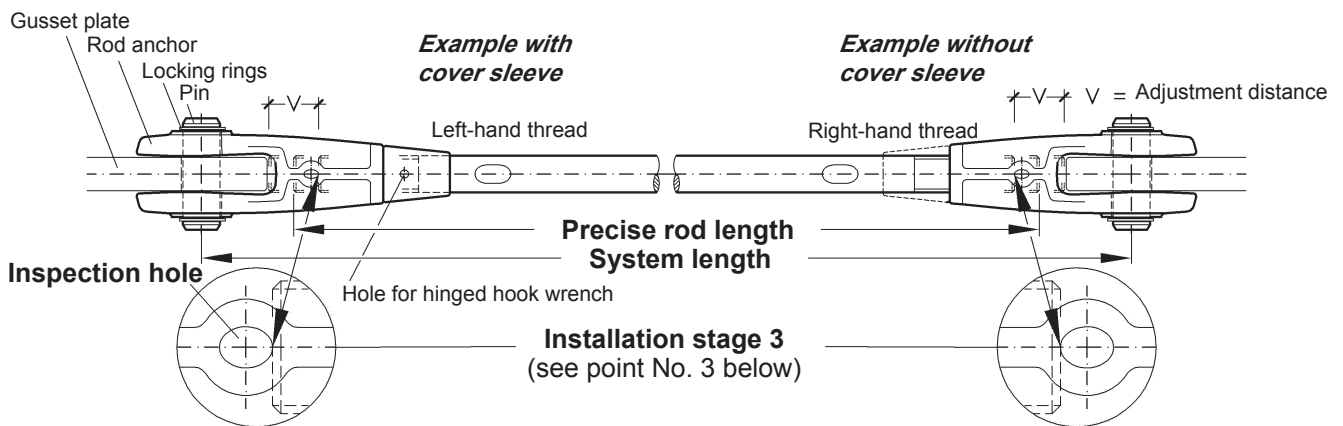




## Installation instructions

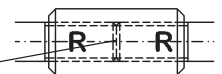
**These installation instructions must be followed without fail.** They also apply to BESISTA® compression rod connections. All BESISTA® system parts take the form of **safety components**, which we have subjected to multiple tests and inspections.



- 1. Check all system parts for transit damage and flawless condition before installing.**  
Damaged components must not be used.
- If your system is fitted with cover sleeve, first screw in the sleeves **as far as they will go**. Do not lock securely until the rod is tensioned.
- Liberal grease** the **threads** of the rod anchors and rods, then screw them into the rod anchors until they **appear in the "inspection hole"**!
- Join** one **rod anchor** to the **joining plate** at one end and secure with the **cross pin** and **locking rings**.
- At the other end, hold the other **rod anchor in the joining plate** and **turn the rod until** the pin fits into the pin-hole.
- Insert the pin** and **locking rings** and **tension the rod** in accordance with the structural engineer's instructions.
- Make sure that the thread fully appears in the inspection hole!** This gives you a **100% check on the thread screw-in depth**. This is particularly important regarding your liability!

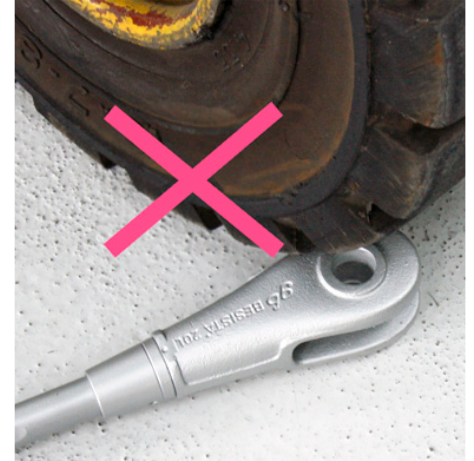
## Please note during installation

- ▶ **Do not modify, heat or deform the rod anchors or subject them to sudden loads**, e.g. by driving in the pin with a hammer. **In particular, do not pull apart or squeeze together the straps.** The thickness of the **gusset plates** shall match the width of the opening.
- ▶ Use only the **pins supplied**. To eliminate the risk of using materials of different grades, **always safely dispose of** any surplus pins!!
- ▶ When **turning** or pretensioning **the rods**, also restrain the rod anchors at the **wrench flats** so that they cannot twist and distort the straps.
- ▶ When using **extension sleeves**, make sure the **thread ends** are **securely locked at the centre of the sleeves**.
- ▶ Supplied system parts cannot be returned or exchanged!
- ▶ **No guarantee is provided for modified or improperly treated system components.** Any use of such components will automatically invalidate the approval and type stress analysis.
- ▶ Under the approval, **tension rods shall not be bent, modified, deformed or welded.**
- ▶ Use only hot-dip galvanized rod systems outdoors. Damaged areas shall be properly repaired.
- ▶ The tension rod systems shall be accessible at all times for maintenance and repair.

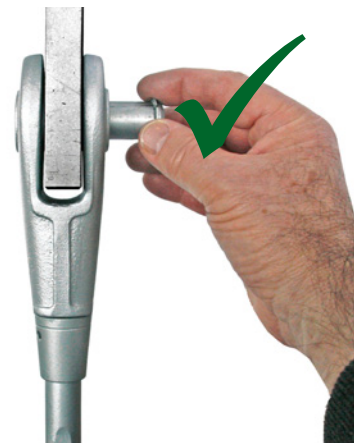
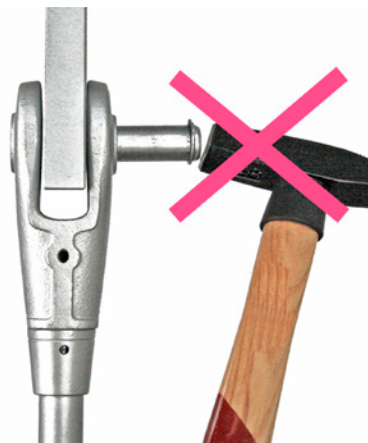
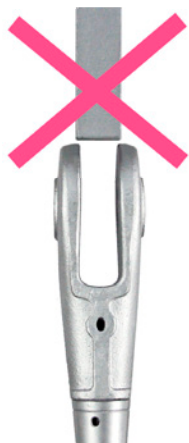




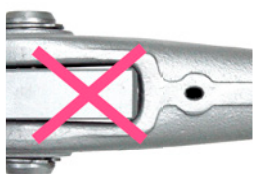
## High-grade tension and compression rod systems for buildings and civils



**Do not pull apart or squeeze together the straps. The rod anchors must not be modified, deformed, heated or subjected to sudden loads.**



**Any build-up of restraint or bending stresses must be prevented**



**The plates must not press against the straps**

