

FATBAR®

Post-Tensioned Anchor — Made for Heavy Dynamic Loads

Peikko is the European market leader in the development and supply of bolted connections. The FATBAR® post-tensioning system is intended to be used for the prestressing of structures and to perform under intense fatigue loads.

Peikko FATBAR® is a high strength steel bar with special threading at both or one end, supplied with steel anchor plates, spherical nuts, and conical washers, where all aforementioned components specifically developed and tested for fatigue loading and post-tensioned applications.

- High fatigue load resistance
- High load bearing capacity
- Increased structure life span
- Covered and verified by European Technical Assessment (ETA 10/0246)
- Variable length and diameter of the bolt according to customer specification
- Ordering via product code
- Quick deliveries directly from stock
- Various application possibilities
- Possible surface treatments
- Accessories and instructions for quick and easy installation and post-tensioning.

Peikko FATBAR® has a unique design that enables it to sustain greater fatigue loads, which increases the life span of concrete structures. FATBAR®'s excellent performance under fatigue loading has been demonstrated by tests in accordance with EAD 160004-00-0301.

FATBAR®s are post-tensioned against high dynamic stress and thus protect the structures from cracking even in harsh conditions. FATBAR® Post-Tensioned Anchors are assembled with washers and nuts (made of steel of property class 10) parametrically similar to those specified in standards DIN 6319 and DIN 6330 B. Bolt threads are cold-rolled with special threading developed for fatigue loading. The bolts are produced from steel of chemical composition that for the most part follows the requirements of EN 898-1 steel of property class 10.9, but with slight alteration in the recipe making it FATBAR® unique.

Hence, FATBAR®'s exact mechanical and physical properties linked to certain sizes of the bolt are declared further in this technical manual. FATBAR®s are offered in standardized models – available in lengths up to 11,900 mm and diameters between 36 mm and 98 mm. The bolts can be preassembled with anchor plate(s) and debonding sleeve according to the specification. Accessories like couplers and plastic protection caps for threads are available on request.

