

ESM Chapter 5 Section III Reference
Hilti KB-TZ and KB-TZ2 Anchor Supply/Selection Guidance (TA-55 only)

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Hilti KB-TZ production has ended, replaced by the KB-TZ2. Both are acceptable per ESM Chapter 5 Section III Appendix A, and TA-55 has a multi-year supply of nuclear-qualified TZs on hand for their use.

As such, designers for TA-55 should check capacities in Section III Appendices C and H and specify "KB-TZ or KB-TZ2" whenever either model of a given size will meet the design's demand*. This will ensure that existing stock is used up and an easy transition made to the TZ2 (i.e., not requiring design revision). When designs specify only TZs but installer desires to use TZ2s (or vice versa), a design revision is required (e.g., FCR).

*Re demand, bear in mind that App. A Para. A.11.B requires the design capacities for TZs be reduced by 25%.

Qualified TZ stock on hand:

1. Most sizes from 3/8" through 3/4" diameter except for the following 5/8- and 3/4-inch-diameter bolts: 5/8x8-1/2, 5/8x10, 3/4x8, and 3/4x10. (The number after "x" is the standard anchor length; ref. App. C Table III.C-2).
2. As stock dwindles, this guidance will be revised to indicate such (and removed entirely from the website when only the TZ2 should be specified in every size).

Finally, as a reminder, the stainless-steel version of the KB-TZ cannot be used for nuclear applications.

Technical questions: Ben Winter

For the Standards Team: When annually updating this document with warehouse stock levels, contact Jody Eden in ORI-3 Supply Chain Management, Construction Projects/PF-4 Controlled Storage (alternate: Josh Valdez). The majority are categorized facility spares in the CBOM database and stored in Combo warehouse; also, some construction project overstock may exist at times.