

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

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Hilti KB-TZ production is ending, replaced by the TZ2. Both are acceptable per ESM Chapter 5 Section III Appendix A, and TA-55 has a multi-month 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).

*Bear in mind that App. A Para. A.11.B requires the design capacities for TZs to be reduced by 25%.

Qualified TZ stock on hand:

1. Most sizes 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 may 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 can’t be used for nuclear applications.

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