

Nachdruck und Kopie, auch auszugsweise, nur mit Genehmigung des Herausgebers

Content:

- 1. Scope
- 2. Process description
- 2.1. Assembly/screwing process
- 2.2. Significant variables that influence connection properties
- 2.2.1. Core hole diameter d_c
- 2.2.2. Insertion depth/length I
- 2.2.3. Assembly speed
- 2.2.4. Pre-tension force relaxation
- 2.3. Repeat assembly
- 2.4. Failure types
- 2.5. Assembly units

3. Design information/significant variables

- 3.1. Definition of the requirement profile
- 3.2. Factors for selecting screws
- 3.3. Design of screw-in tube
- 3.4. Basic design of the screw-in tube
- 3.5. Behaviour of the plastic tube with regard to self-tapping scienconnections

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3.6. Lightweight construction thanks to suitable screw geol

4. Self-tapping screw connections for thin-ralled population with add-on elements

- 4.1. Fundamental principles
- 4.2. Assembly of add-on elements for thin-walled components.
- 5. Test procedure for determining characteristic value
- 6. References
- 7. Selected application examples