

BS 8539: 2012, Code of practice for the selection and installation of post-installed anchors in concrete and masonry.

The British Standards Institution (BSI) has published BS 8539: 2012, *Code of practice for the selection and installation of post-installed anchors in concrete and masonry*. BS 8539 gives recommendations for the safe selection and installation of anchors for use in concrete and masonry. It is intended to provide practical guidance for designers, specifiers, manufacturers, suppliers, contractors, installers and testers of anchors. In particular, BS 8539:2012 applies to the selection and installation of anchors which are used in safety-critical applications. It is restricted to the use of anchors which are inserted into concrete and masonry in drilled holes.

The Standard includes:

- Roles and responsibilities
 - Manufacturer/supplier
 - Designer
 - Specifier
 - Contractor
 - Installer
 - Supervisor
 - Tester
- Selection and specification of anchors
 - Information to be assembled
 - Preliminary design considerations
 - Factors determining anchor type
 - Factors determining anchor size
 - Completing the specification
- Information to be provided by manufacturer/supplier, designer and specifier
 - General
 - Information to be provided by the manufacturer/supplier to the specifier
 - Information to be provided by the designer to the specifier
 - Information to be provided by the specifier to the contractor/installer
 - Information to be provided by the manufacturer/supplier to the contractor/installer
 - Information to be provided by the specifier to the tester
- Installation of anchors
 - General
 - Installation procedures
 - Aspects of installation
 - Strength of concrete at the time of installation
 - Hitting reinforcement
 - Installing anchors in masonry
- Supervision, inspection and certification of installed anchors
 - Supervision
 - Inspection
 - Certification

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- Testing of anchors
 - General
 - Tests to determine the allowable resistance
 - Tests to check the quality of installation
 - Testing in tension and shear
 - Test procedures and recording of results
- Change management – alternative anchors

The standard should be read in conjunction with BS 7883, *Code of practice for the design, selection, installation, use and maintenance of anchor devices conforming to BS EN 795*.

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