

Water quality — Design and use of quantitative samplers for benthic macro-invertebrates on stony substrata in shallow freshwaters

The European Standard EN 28265:1994 has the status of a
British Standard

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This British Standard, having been prepared under the direction of the Environment and Pollution Standards Policy Committee, was published under the authority of the Board of BSI and comes into effect on 29 September 1989

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The following BSI references relate to the work on this standard:
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Amendments issued since publication

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National foreword

This Section of BS 6068, which has been prepared under the direction of the Environment and Pollution Standards Policy Committee, is identical with ISO 8265:1988 “*Water quality — Design and use of quantitative samplers for benthic macro-invertebrates on stony substrata in shallow freshwaters*”.

In 1994 the European Committee for Standardization (CEN) accepted ISO 8265:1988 as European Standard EN 28265:1994. As a consequence of implementing the European Standard this British Standard is renumbered as BS EN 28265:1994 and any reference to BS 6068-5.8 should be read as a reference to BS EN 28265.

The International Standard was prepared by subcommittee 5, “Biological methods” of Technical Committee 147, “Water Quality”, of the International Organization for Standardization (ISO) with the active approval and participation of the UK.

This British Standard is being published in a series of Parts subdivided into Sections that will generally correspond to particular International Standards. Sections are being, or will be, published in Parts 1 to 7, which together with Part 0, are listed below.

- *Part 0: Introduction;*
- *Part 1: Glossary;*
- *Part 2: Physical, chemical and biochemical methods;*
- *Part 3: Radiological methods;*
- *Part 4: Microbiological methods;*
- *Part 5: Biological methods;*
- *Part 6: Sampling;*
- *Part 7: Precision and accuracy.*

Cross-reference

International Standard	Corresponding British Standard
ISO 5667-3:1985	BS 6068 <i>Water quality</i> Part 6 <i>Sampling</i> Section 6.3:1986 <i>Guidance on the preservation and handling of samples</i> (Identical)

Additional information. The “Surber”¹⁾ and “cylinder” samplers described in this Section of BS 6068 are designed to remove benthic macro-invertebrates from a defined shape and area of substrate of a bed of a water body. Hence these samplers are sometimes called quadrat samplers. They may be regarded as quantitative counterparts of the handnet sampling method described in BS 6068-5.5:1985 *Methods of biological sampling: guidance on handnet sampling of aquatic benthic macro-invertebrates*. They are usually used in water with a depth of less than 500 mm and are thus restricted to use in shallow water, this being particularly true of the “Surber”, which should preferably not be submerged. Although the samplers can also be used in deeper water by a diver, it must be emphasized that they were not originally designed for that purpose. The essential features of their design are described as part of this Section of BS 6068. Modifications are presented in Annex A.

Table 1 refers to the recommended mesh size of the net used in the sampler.

¹⁾ Named after the biologist, E.W. Surber, who originally designed this apparatus.

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Summary of pages

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This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.

