



BS 4168:Part 1:1981

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Hexagon socket screws and wrench keys: metric series

Part 1. Specification for hexagon socket head cap screws

Vis à six pans creux et clés mâles pour six pans: série métrique
Partie 1. Spécification des vis à tête cylindrique à six pans creux

Innensechkantschrauben und Steckschlüssel: metrische Reihe
Teil 1. Spezifikation für Innensechkantschrauben

British Standards Institution

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Foreword

This British Standard has been prepared under the direction of the Mechanical Engineering Standards Committee and forms part of the revision of the 1967 edition. It is one of a series of specifications, of which the full list is as follows.

- Part 1. Specification for hexagon socket head cap screws
- Part 2. Specification for hexagon socket set screws with flat point
- Part 3. Specification for hexagon socket set screws with cone point
- Part 4. Specification for hexagon socket set screws with dog point
- Part 5. Specification for hexagon socket set screws with cup point
- Part 6.* Specification for hexagon socket button head screws
- Part 7.* Specification for hexagon socket shoulder screws
- Part 8.* Specification for hexagon socket countersunk head screws
- Part 9.* Specification for wrench keys

This Part of this standard is based on ISO 4762:1977 'Hexagon socket head cap screws — Product grade A' published by the International Organization for Standardization (ISO), but for steel cap screws, only mechanical property class 12.9 is specified.

Although the tolerances on some features specified in this standard differ from those specified in BS 4168 : 1967, screws complying with this standard are generally interchangeable with screws complying with BS 4168 : 1967.

If, in special cases, requirements other than those listed in this standard are necessary, it is recommended that they should be selected from the standards referred to in clause 4.

For ease of production it has been found convenient to reproduce the figure and table from ISO 4762, with alterations, for figure 1 and table 1 of this standard. Certain conventions are not identical with those used in British Standards; attention is especially drawn to the following:

The comma has been used throughout as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

*In course of preparation.