



BS 4942 : Part 1 : 1981
ISO 1834-1980

UDC 621.86.065.4:672.6

Short link chain for lifting purposes

Part 1. Specification for general conditions of acceptance

[ISO title: Short link chain for lifting purposes—General conditions of acceptance]

Chaînes de levage à maillons courts

Partie 1. Spécification des conditions générales de réception

Rundstahlketten zum Heben

Teil 1. Allgemeine Abnahmebedingungen

British Standards Institution

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National foreword

This Part of this British Standard, published under the direction of the Mechanical Engineering Standards Committee, forms one of a series on lifting chain and is identical with ISO 1834 'Short link chain for lifting purposes—General conditions of acceptance' published in 1980 by the International Organization for Standardization (ISO).

The United Kingdom has taken part in the preparation of the International Standard through Subcommittee 1 of Technical Committee 111, Round steel link chains, chain wheels, lifting hooks and accessories.

This Part of this standard is a revision of BS 4942 : Part 1 : 1973 which was related to ISO/R 1834-1971, although the text was not identical. The 1973 edition of BS 4942 : Part 1 is withdrawn with the publication of this revision.

Terminology and conventions. The text of the international standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and 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.

Wherever the words 'International Standard' appear referring to this standard, they should be read as 'British Standard'.

Cross-references

International standard	Corresponding British Standard
ISO 147-1960	BS 1610 : 1964 Methods for the load verification of testing machines (Technically equivalent)
ISO 1835-1980	BS 4942 Short link chain for lifting purposes Part 2 : 1981 Specification for grade M (4) non-calibrated chain (Identical)
ISO 1836-1980	Part 3 : 1981 Specification for grade M (4) calibrated chain (Identical)
ISO 3075-1980	Part 4 : 1981 Specification for grade S (6) non-calibrated chain (Identical)
ISO 3076-1980	Part 5 : 1981 Specification for grade T (8) non-calibrated chain (Identical)
ISO 3077-1980	Part 6 : 1981 Specification for grade T (8) calibrated chain (Identical)

The reference in clause 0 to ISO 3056 is of an informative nature only and the lack of an equivalent British Standard at present therefore does not affect the validity of this standard.

Additional information

Marking. It will be noted that clause 9 requires a quality grade mark to be stamped or embossed on the chain and alternative marks are permitted. Manufacturers are recommended to adopt the appropriate letters, L, M, P, S, or T, as the quality grade marks in preference to the alternative numbers 3, 4, 5, 6 or 8, in order to align with other materials and components.

Test certificate. Clause 10 of this Part of this standard specifies the details to be included in the test certificate, a typical example of which is shown in annex C. It should be noted that in premises subject to the Factories Act 1961, the prescribed form of test certificate is F97 and this should be endorsed by the manufacturer or supplier, certifying that the tests made on the chain comply in all respects with the requirements of BS 4942 Part . . . (the number of the appropriate Part is to be given here) i.e.

Part 2 Specification for grade M (4) non-calibrated chain	Part 5 Specification for grade T (8) non-calibrated chain
Part 3 Specification for grade M (4) calibrated chain	Part 6 Specification for grade T (8) calibrated chain
Part 4 Specification for grade S (6) non-calibrated chain	