



BS 4942 : Part 4 : 1981
ISO 3075-1980

UDC 621.86.065.4:672.6

Short link chain for lifting purposes

Part 4. Specification for grade S (6) non-calibrated chain

[ISO title: Short link chain for lifting purposes—Grade S (6), non-calibrated, for chain slings etc.]

Chaînes de levage à maillons courts

Partie 4. Spécification des chaînes de classe S (6), non calibrées

Rundstahlketten zum Heben

Teil 4. Güteklasse S (6) nicht lehrenhaltige Ketten

British Standards Institution

BS 4942 : Part 4 : 1981

Contents

	Page		Page
National foreword	Inside front cover	Tables	
Cooperating organizations	Back cover	1. Dimensions of grade S (6) non-calibrated chain	5
Specification		2. Mechanical properties	6
1. Scope and field of application	1	3. Grade S (6), non-calibrated, test requirements and working load limits	6
2. References	1	4. Dimensions	7
3. Definitions	1	5. Grade S (6), non-calibrated, test requirements and working load limits for chains in table 4 (Temporary additional sizes)	8
4. General conditions of acceptance	1	Figures	
5. Dimensions	1	1. Material and weld tolerances	3
6. Material and manufacture	2	2. Chain and link dimensions	4
7. Test requirements	2		
8. Inspection	2		
9. Marking	2		
10. Test certificate	2		
Annex			
Temporary additional sizes (Grade S (6) non-calibrated)	7		

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 3075 'Short link chain for lifting purposes—Grade S (6), non-calibrated, for chain slings etc.' 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 intended in due course to supersede BS 3113 : 1959 'Alloy steel chains, grade 60. Short link, for lifting purposes'.

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 388-1964	BS 4391 : 1972 Recommendations for metric basic sizes for metal wire (Technically equivalent)
ISO/R 643-1967	BS 4490 : 1969 Methods for the determination of austenitic grain size of steel (Technically equivalent)
ISO 1035/1-1969	BS 4229 Recommendations for metric sizes of non-ferrous and ferrous bars Part 2 : 1969 Ferrous bars (Technically equivalent)
ISO 1834-1980*	BS 4942 Short link chain for lifting purposes Part 1 : 1981 Specification for general conditions for acceptance (Identical)

Additional information. It will be noted that clause 9 requires a quality mark to be applied and alternative marks are permitted i.e. 'S' or '6'. Manufacturers are recommended to adopt the mark 'S' as the quality mark for this grade of chain, in order to align with the marking of other materials and components in this grade. The use of either 'S' or '6' as the quality mark is however acceptable for compliance with this British Standard.

*In clause 2 it is indicated that ISO 1834 is in course of preparation. This standard has now been published.