

SINGAPORE STANDARD

Specification for steel for the reinforcement of concrete

– Part 1 : Plain bars (Steel grade 300)



SS 2 : Part 1 : 1999
(ICS 77.140.10; 91.080.40)

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concrete**

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The Building Materials Product Standards Committee appointed by the Standards Council consists of the following members:

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The Technical Committee on Steel appointed by the Building Materials Product Standards Committee and responsible for the preparation of this standard consists of representatives from the following organisations:

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Members : Mr Henry H T Lim *Institution of Engineers Singapore*
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The Working Group appointed by the Technical Committee to assist in the preparation of this standard comprises the following members:

	Name	Organisation
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	Mr Lee Yoon Moi	<i>Singapore Contractors Association Limited</i>
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Foreword

The Singapore Standard Specification for 'Steel for the reinforcement of concrete' was prepared by the Technical Committee on Steel under the direction of the Building Materials Product Standards Committee.

It is a revised edition of SS 2 : Part 3 : 1987 (formerly known as SS 2 : 1987) and consists of the following two parts:

- Part 1. Plain bars (Steel grade 300)
- Part 2. Ribbed bars (Steel grade 500)

Cold worked steel bars are not covered in Parts 1 and 2 of SS 2.

It is based on ISO 6935 : 1991 'Steel for the reinforcement of concrete - Part 1 : Plain bars'. Modifications to certain areas of the ISO Standard were made to suit local practice. These areas include bar size and bar grade.

This standard is released to allow time for the designers in the industry to introduce any necessary changes. The continued relevance of SS 2 : Part 3 : 1987 will be reviewed when CP 65 – 'Code of practice for structural use of concrete' is next reviewed.

Acknowledgement is made for the use of information from ISO.

Annexes A and B are for information only. Included in Annex A (Informative) is a specification to limit ionising radiation from steel for the reinforcement of concrete. The specification is introduced to address concerns of possible radioactive contamination during the manufacturing process and the risk to health through exposure to radioactivity from the finished steel product.

NOTE

1. *Singapore Standards are subject to periodic review to keep abreast of technological changes and new technical developments. The revisions of Singapore Standards are announced through the issue of either amendment slips or revised editions.*
2. *Compliance with a Singapore Standard does not exempt users from legal obligations.*