

SRI LANKA STANDARD 26: 2020
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**SPECIFICATION FOR
PLAIN STEEL BARS FOR
THE REINFORCEMENT OF CONCRETE**
(Second Revision)

SRI LANKA STANDARDS INSTITUTION

Sri Lanka Standard
SPECIFICATION FOR PLAIN STEEL BARS FOR THE REINFORCEMENT OF
CONCRETE
(Second Revision)

SLS 26: 2020

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SRI LANKA

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FOREWORD

This standard was approved by the Sectoral committee on Materials, Mechanical Systems and manufacturing engineering and was authorized for adoption and publication as a Sri Lanka standard by the council of the Sri Lanka Standards Institution on 2020-05-27.

This is the second revision of SLS 26 and in this revision 10 grades of steel have been introduced instead of 2 steel grades in previous version.

Guideline for the determination of compliance of a lot with the requirements of this standard based on statistical sampling and inspection are given in Appendix A.

The formulation of SLS 874 on Steel Products, (part 1 Classification and definitions, and part 2 Identification markings) made it necessary to revise all the existing steel standards to bring them in line with the new classification, definitions and international standards published by the International Organization for standardization.

For the purpose of deciding whether a particular requirement of this standard is complied with, the final value observed or calculated expressing the result of a test or an analysis shall be rounded off in accordance with SLS 102. The number of significant places retained in the rounded off value shall be the same as that of the specified value in this standard.

In the preparation of this standard, the assistance derived from the following publications is gratefully acknowledged.

ISO 6935: 2007 - Steel for the reinforcement of concrete - **Part 1:** Plain bars.

1 SCOPE

This standard specifies the technical requirements for plain steel bars intended for use as reinforcement in ordinary concrete structures and as non - prestressed reinforcement in prestressed concrete structures.

This standard covers nine steel grades not intended for welding which are B240A-P, B240B- P, B240C-P, B240D-P, B300A-P, B300B-P, B300C-P, B300D-P and B420D-P, and one steel grade intended for welding which is B420DWP. The production process is at the discretion of the manufacturer. The requirements of this standard apply to straightened product. It also applies to plain bars supplied in coil form. The steel grades are designated with steel names allocated in accordance with ISO/TS 4949.

NOTE: The first “B” stands for steel for reinforcing concrete. The next 3 digits represent the specified characteristic value of upper yield strength. The fifth letter stands for ductility class (3.4). The next symbol relates to welding; “ -“ means not intended for welding and