**For Comments only**

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**Doc:TED 11(752)W**
**Feb 2010**

# *Draft* Indian Standard
# ROAD VEHICLES –FUSE-LINKS – PART 5:
## FUSE-LINKS WITH AXIAL TERMINALS (STRIP FUSE-LINKS) TYPES SF AND SF 51 AND TEST FIXTURES
## (*Second Revision* of IS 2577)

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**Last date for receipt of comments is 28- 04-2010.**

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NATIONAL FOREWORD

This Indian Standard which is identical with ISO8820-5:2007 Road vehicles – Fuse-links – Part 5: Fuse-Links with Axial Terminals (Strip Fuse-Links) Types SF and SF 51 And Test Fixtures, issued by the International Organization for Standardization (ISO) shall be adopted by the Bureau of Indian Standards on the recommendation of the Automotive Electrical Equipments and Instruments Sectional Committee after approved by the Transport Engineering Department Council.

This standard was first published in 1963. In the first revision in 1974, besides general updation, variety reduction in current rating was carried out. The current revision was taken up to thoroughly update the standard with respect to types, test requirements and user's guide. In line with ISO, this standard has been brought out in 7 parts.

This standard is one of the series of Indian standards on fuse links for automotive vehicles. Other standards in the series are:

IS 2577 Road vehicles – Fuse –links:

Part 1 Doc:TED 11(748) Definitions and general test requirements
Part 2 Doc:TED 11(749) User's guide
Part 3 Doc:TED 11(750) Fuse-links with tabs (Blade type)
Part 4 Doc:TED 11(751) Fuse-links with female contacts (type A) and bolt-in contacts (type B) and their test fixtures
Part 6 Doc:TED 11(753) Single-bolt fuse-links
Part 7 Doc:TED 11(754) Fuse-links with tabs ( Type G) with rated voltage of 450 V

The text of the International Standard has been approved as suitable for publication as an Indian Standard without deviations. Certain conventions are, however, not identical to those used in Indian Standards. Attention is particularly drawn to the following:

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

b) Comma (,) has been used as a decimal marker while in Indian Standards, the current practice is to use a point (.) as the decimal marker.

In this adopted standard, reference appears to certain International Standards for which Indian Standards also exist. The corresponding Indian Standards which are to be substituted in their places are listed below along with their degree of equivalence for the editions indicated:

| *International Standard* | *Corresponding Indian Standard* | *Degree of Equivalence* |
|---|---|---|
| ISO 2768-1 General tolerances – Part 1: Tolerances for linear and angular dimensions without individual tolerance indications | IS 2102(Part 1):1993 General tolerances – Part 1: Tolerances for linear and angular dimensions without individual tolerance indications | Identical |
| ISO 4017:1999 Hexagon head screws – Product grades A and B | IS 1364(Part 2):2002 Hexagon head bolts and nuts of product grades A and B – Part 2: Hexagon head screw (size range M 1.6 to M 64) | - do - |
| ISO 4032:1999 Hexagon nuts, style 1 - Products grades A and B | IS 1364(Part 3):2002 Hexagon head bolts screws and nuts of product grade A and B Part 3: Hexagon nuts, style 1 (size M 1.6 to M 64) | - do - |
| ISO 6722 Road vehicles – 60 V and 600 V single-core cables – Dimensions, test methods and requirements | Doc:TED 11 (747)w Road vehicles – 60 V and 600 V single-core cables – Dimensions, test methods and requirements | - do - |
| ISO 8820-1 Road vehicles – Fuse-links – Definitions and general test requirements | Doc: TED 11(748)w Road vehicles – Fuse-links – Definitions and general test requirements | - do - |
| ISO 8820-2 Road vehicles – Fuse-links – User's guide | Doc: TED 11(749)w Road vehicles Fuse-links – User's guide | - do - |

The technical committee has also reviewed the provisions of the following International Standards referred in the adopted standard and decided that they are acceptable for use in conjunction with this standard:

ISO 7089:2000 Plain washers – Normal series – Product grade A

In order to protect the automobile electrical equipments against excessive currents, fuse-links are inserted. Owing to number of circuits and accessories, it might become necessary to insert fuse-links into each circuit depending on the load requirements. This standard is intended to cover such fuse-links for automobiles. Porcelain or moulded fuse-links are covered in IS 7528:1974 Specification for porcelain (moulded) fuse-links for ac circuits.

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. BIS shall not be held responsible for identifying any or all such patent rights.

For BIS Certification Marking, details are given in National Annex A.

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 analysis, shall be rounded off in accordance with IS 2:1960 'Rules for rounding off numerical values (revised)'. The number of significant places retained in the rounded off value should be the same as that of the specified value in this standard.

**Note – For complete text please refer ISO 8820-5:2007. Hard copies with complete text can also be provided or request. For the same please send your request to the following:**

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## National Annex A
## (Foreword)

### A.1 BIS Certification Marking

**A.1.1** The product may also be marked with the Standard Mark.

**A.1.2** The use of the Standard Mark is governed by the provisions of Bureau of Indian Standards Act, 1986 and the Rules and Regulations made thereunder. The details of conditions under which the licence for the use of Standard Mark may be granted to manufacturers or producers may be obtained from the Bureau of Indian Standards.