



भारतीय मानक ब्यूरो

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**BUREAU OF INDIAN STANDARDS**

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## Review Document

### Basic Details

1.	Sectional Committee No. & Title:	TED 11 - Automotive Electrical Equipment and Instruments
2.	IS No :	IS 2081 : 1998
3.	Title :	Automotive vehicles - Taper terminal cable connectors for batteries - Specification (Second Revision)
4.	Date of Previous Review:	February, 2019

### Review Analysis

#### 5.1 Status of standard(s), if any from which assistance had been drawn in the formulation of this IS.

S.No.	Standard (No.)	Standard (Title)	Whether the standard has since been revised	Major changes	Action proposed
No entry made in this table					

**5.2 Status of standard referred in the IS.**

S.No.	Referred standards (No.)	Referred standards (Title)	Since revised IS no. of the corresponding IS	Changes in the referred Standards since last review of IS	Changes in the referred standard which are affecting the standard under review	Action proposed
1	IS 2585:1968	Black square bolts and nuts (dia range 6 to 39 mm) and black square screws (dia 6 to 24 mm) (first revision)	IS 2585 : 2006	This revision has been aligned dimensionally to the following Indian Standards except the dimensions of square	This revision has been aligned dimensionally to the following Indian Standards except the dimensions of square	Reference may be changed to IS 2585: 2006
2	IS 1359 : 1992	Electroplated coatings of tin	IS 1359 : 1992	No action need as standard has been generally referred	No action need as standard has been generally referred	No change proposed.
3	1367 (Part 2) : 1979	Technical supply conditions for threaded steel fasteners: Part 2 Product grades and tolerances (second revision)	IS 1367 (Part 2): 2002	This part of ISO 4759 specifies a selection of tolerances for bolts, screws, studs and nuts with ISO metric threads and with product grades A, B and C and for tapping screws with product grade A.	This part of ISO 4759 specifies a selection of tolerances for bolts, screws, studs and nuts with ISO metric threads and with product grades A, B and C and for tapping screws with product grade A.	Reference may be changed to IS 1367 (Part 2): 2002
4	IS 1654 : 1992	Lead - Antimony alloys - Specification (Third Revision)	IS 1654 : 1992	No action need as standard has been generally referred	No action need as standard has been generally referred	No change proposed.
5	IS 1992 : 1979	Specification for electroplated coatings of lead (First Revision)	IS 1992 : 1979	No action need as standard has been generally referred	No action need as standard has been generally referred	No change proposed.
6	IS 292 : 1983	Specification for leaded brass ingots and casting (Second Revision)	IS 292 : 1983	No action need as standard has been generally referred	No action need as standard has been generally referred	No change proposed.
7	1363 (Part 3): 1992	Hexagonal headed bolts, screws and nuts of product grade C: Part 3 Hexagon nuts (size range M5 to M36) (third revision)	IS 1363 (Part 3): 2018	Hexagon Head Bolts, Screws and Nuts of Product Grade A <sub>2-70</sub> Ca <sub>2-70</sub> Part 3 (Style 1) Hexagon Nuts ( Size Range M 5 to M 64 )	This International Standard specifies the characteristics of hexagon regular nuts (style 1) with threads from M5 up to and including M64 and product grade C.	Reference may be changed to IS 1363 (Part 3): 2018

**5.3 Any other standards available related to the subject & scope of the standard being reviewed (International/regional/other national/association/consortia, etc or of new or revision of existing Indian Standard).**

S.No.	Standard (No.)	Standard (Title)	Provisions that could be relevant while reviewing the IS	Action proposed
1	NA	NA	NA	NA

**5.4 Technical comments on the standard received, if any.**

S.No.	Source	Clause of IS	Comment	Action proposed
No entry made in this table				

**5.5 Information available on relevant technical developments**

S.No.	Source	Development	Relevant clause of the IS under review that is likely to be impacted (Clause & IS No.)	Action proposed
1	General	In addition to their electrical performance, taper terminal cable connectors are also designed with safety in mind. They often feature built-in safety features, such as locking mechanisms or insulation barriers, to prevent accidental contacts or short-circuits. These safety features help to protect against electrical hazards and ensure safe operation of the battery system. In conclusion, taper terminal cable connectors for batteries are essential components in many high-current battery applications. Their unique design, high current-carrying capacity, durability, and safety features make them ideal for demanding battery-powered systems. With their versatility and compatibility with various battery types, taper terminal cable connectors are widely used in diverse applications ranging from electric vehicles to renewable energy systems, providing reliable and efficient power connections for battery systems.	Clause 4, Material and construction	Committee may consider the developments

**5.6 Issues arising out of changes in any related IS or due to formulation of new Indian Standard.**

S.No.	Related IS (revised or new)	Related IS Title	Provision in the IS under review that would be impacted & the clause no. or addition of new clause/provision	Changes that may be necessary in the Standards under review	Action proposed
No entry made in this table					

**5.7 Any consequential changes to be considered in other IS.**

S.No.	Related IS to get impacted	Related IS Title	Requirements to be impacted
No entry made in this table			

**Other Details**

6.	Any other observation:	The revision will essentially take care of the following: Introduction of Clause 2 <a href="#">References</a> (as per the latest format), and accordingly renumbering of all subsequent clauses. Use of latest style, manner and wordings, etc. such as <a href="#">Annex</a> for <a href="#">Appendix</a> .
7.	Upload Supporting Document(s)	
<b>7.1 ARP Report</b>		<a href="#">67_8622_230507025015_ARP_Report.docx</a>
<b>7.2 Draft Document</b>		No Document Uploaded
8.	Recommendations - On the basis of the analysis of the info available as mentioned above consideration of sectional committee is solicited on the following aspects of the IS under review:	In view of the above, it is recommended that IS 2081: 1998 may be revised to incorporate the above-mentioned changes and other changes as deemed fit by the committee.