



भारतीय मानक ब्यूरो

(उपभोक्ता मामले, खाद्य एवं सार्वजनिक वितरण मंत्रालय, भारत सरकार)

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## Review Document

### Basic Details

1.	Sectional Committee No. & Title:	TED 14 - Air and Space Vehicles Sectional Committee
2.	IS No :	IS 11680 : 1986
3.	Title :	Specification for hexagonal slotted (Castellated) nuts (MJ Series)
4.	Date of Previous Review:	March, 2017

### 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
1	ISO 4147-1983	Metric fasteners for aerospace construction classification 1100 MPa - Hexagonal slotted (castellated) nuts - Strength - maximum operating temperature 235 $\pm$ 1/2C	ISO 4147-1983 is withdraw and revised by ISO 4147-1997. This standard was last reviewed and confirmed in 2021. Therefore this version remains current.		Reference should be changed to ISO 4147-1997
2	IS 10628: 1983	General requirements for aerospace bolts and nuts	No revision has been made since ever		No action is proposed

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 10980 (Part-1): 1984	Aerospace bolts and nuts (MJ Threads) : Part 1 Basic profile	IS 10980 (Part-1) i.e. 2014 IS 10980 (Part-1) was first published in 1984 in two parts. The first revision of this standard has been undertaken with a view to bring it in line with the latest version of ISO 5855 published in three parts. Other parts of this series are: Part 2 Limit dimensions for bolts and nuts Part 3 Limit dimensions for fittings for fluid systems for aerospace construction			Reference should be changed to IS 10980 (Part-1): 2014
2	IS 10628: 1983	General requirements for aerospace bolts and nuts	No revision has been made since ever			No action is proposed
3	IS 2500 (Part 1): 1973	Sampling inspection tables : Part 1 Inspection by attributes and by count of defects (first revision)	IS 2500 : Part 1:2000 (Sampling procedures for inspection by attributes: Part 1 sampling schemes indexed by acceptance quality limit (AQL) for lot - By - Lot inspection This standard was first published in 1963 and revised in 1973. The second revision of this standard was published in 1992 to make it identical with the corresponding International Standard, namely, ISO 2859- 1:1989. This International Standard has been revised in 1999. In the third revision of the standard, the revised version of ISO 2859-1 has been adopted.	The significant changes in this revised version include : (a) A new procedure for switching from normal to reduced inspection. (b) A reference to skip-lot sampling as an alternative to reduced inspection. (c) The term $i_{L/2}$ limiting quality $i_{L/2}$ has been changed to $i_{L/2}$ consumer's risk quality $i_{L/2}$ in the heading of Tables 6-A, 6-B, 6-C, 7-A, 7-B and 7-C. (d) A new table has been added giving producer's risk as the probability of rejection of lots with percent non-conforming equal to the AQL. (e) Optional fractional acceptance number plans have been added; the purpose of these plans is to provide a consistent progression from the plans for acceptance number zero to the acceptance number 1 plans. The fractional acceptance number plans are found in Tables 11-A, 11-B and 11-C, where they take the place of the arrows in the corresponding positions in Tables 2-A, 2-B and 2-C. (f) Reduced plans have been changed to eliminate the gap between the acceptance and rejection numbers.		Reference should be changed to IS 2500 : Part 1:2000
4	IS 10980 (Part-2): 1984	Aerospace bolts and nuts (MJ Threads): Part 2 Dimensions for bolts and nuts	IS 10980 (Part-2): 2014 IS 10980 (Part-2) was first published in 1984 in two parts. The first revision of this standard has been undertaken with a view to bring it in line with the latest version of ISO 5855 published in three parts. While Part 1 of this standard covers the General requirements of MJ Threads used in Aerospace construction; Part 2 covers the Limit dimensions for bolts and nuts and Part 3 covers Limit dimensions for fittings for fluid systems for aerospace construction.			Reference should be changed to IS 10980 (Part-2) : 2014

**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
No entry made in this table				

**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
No entry made in this table				

**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:	
7.	Upload Supporting Document(s)	

<b>7.1 ARP Report</b>	<a href="#">67_2203091646820441_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:	The committee decided to reaffirm the standard during 24th SC meeting
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