



भारतीय मानक ब्यूरो

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

BUREAU OF INDIAN STANDARDS

(Ministry of Consumer Affairs, Food & Public Distribution, Govt. of India)

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Review Document

Basic Details

1.	Sectional Committee No. & Title:	TED 16 - Bicycles
2.	IS No :	IS 1283 : 1995
3.	Title :	Bicycles - Free - Wheels - Specification (Second Revision)
4.	Date of Previous Review:	March, 2021

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	JIS B 9410-1951	Free wheels, Japanese Standards Association	Yes	Nil	Nil

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	1570 (Part 4)	Schedules for wrought steels : Part 4 Alloy steels (alloy constructional and spring steel) with specified chemi- cal composition and mecha- nical properties (Jirst revision)	1570 (Part 4) : 1988	No revision	Nil	Nil
2	2500 (Part 1) : 1992	Sampling inspection proce- dures : Part 1 Attribute sampling plans indexed by acceptable quality level (AQL) for lot-by-lot inspec- tion (second revision)	IS 2500 (Part 1) : 2000	The significant changes in this revised version include : A new procedure for switching from normal to reduced inspection. A reference to skip-lot sampling as an alternative to reduced inspection. The term "limiting quality" has been changed to "consumer's risk quality" in the heading of Tables 6-A, 6-B, 6-C, 7-A, 7-B and 7-C. 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. 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. Reduced plans have been changed to eliminate the gap between the acceptance and rejection numbers. Some changes have been made to the double sampling plans to provide a smaller average sample size. Multiple sampling plans have been changed to five stages rather than seven. The change has not increased the average sample size. Some of the new plans have a smaller average sample size than their counterparts in the previous edition. Scheme operating characteristic curves have been added as Table 12.	Nil	Revised IS may be mentioned in the standard
3	2403 : 1991	Short pitch transmission precision steel roller chains and chain wheels (second revision	IS 2403 : 2014	Following changes have been made in this revision The chain number 082 covered earlier has now been deleted. The dimensions of chain number 085 has been modified. The ANSI chain reference numbers (25, 35, 40, 50, etc) are used world wide and, to assist in cross-referencing the ISO and ANSI numbers, details are now included in Annex C of this standard. The ANSI heavy series of chains (suffix H) are also included. The ANSI heavy series of chains differ from the ANSI standard series in that thicker plates are used. As there are no existing ISO numbers for these chains, the ANSI numbering system has been adopted. Clause 4, covers specification details for K and M attachments, and extended pin attachments for use with short-pitch transmission roller and bush chains conforming with this Indian Standard. Clause 5, covering chain sprockets, represents the unification of all the relevant national standards in the world and includes, in particular, complete tolerances relating to tooth form. The inclusion of the dimensions of the chains specified ensures complete interchangeability of any given size and provides interchangeability of individual links of chains. This standard includes short-pitch bush transmission chains. This standard does not apply to chains for cycles and motor cycles. The requirements of chains for cycles are covered in IS 15511 : 2004 and for motor cycles are covered in IS 11740 : 1986. Proof test in accordance with 3.5 in previous version has been made mandatory according to 3.4.3 of this standard.	Nil	Revised IS may be mentioned in the standard

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	Nil	Nil	Nil	Nil

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	BIS Licensee	Nil	Nil	Nil

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:	Undersigned visited Hero Cycles Pvt Ltd. Literature survey carried out. No comment received on the standard. The referred standards are revised and necessary changes may be made in this standard. It is recommended to re-affirm the standard with changes in the title and no. of referred standard.
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7.	Upload Supporting Document(s)	
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7.1 ARP Report	67_4284_231130113301_ARP_Report.docx
7.2 Draft Document	67_4284_231130113301_Draft_Document.docx

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:	No comment received on the standard. The referred standards are revised and necessary changes may be made in this standard. It is recommended to re-affirm the standard with changes in the title and no. of referred standard.
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