



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:	MHD 1 - Surgical Instruments
2.	IS No :	IS 11640 : Part 4 : 1987
3.	Title :	Retractor - Part 4 : Abdominal, Fritsch's Pattern
4.	Date of Previous Review:	March, 2018

### 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 7531:1975	Method for boiling and autoclaving test for corrosion resistance of stainless-steel surgical instruments	IS 7531:1990 Surgical instruments - Corrosion resistance of stainless-steel surgical instruments - Methods of tests (First Revision) Revised, Current	Inclusion of copper sulphate test for corrosion resistance on stainless steel surgical instruments.		Refer to revised current Standard
2	IS 1501 (Part D): 1984	Method for Vickers hardness test for metallic materials: Part I HV 5 to HV 100 (Second revision)	Revised in many parts IS 1501 (Part 1): 2020 ISO 6507-1:2018 Metallic Materials $\frac{1}{2}$ Vickers Hardness Test Part 1 Test Method (Fifth Revision) IS 1501 (Part 2): 2020 6507-2: 2018 Metallic Materials $\frac{1}{2}$ Vickers Hardness Test Part 2 Verification and Calibration of Testing Machines (Fifth Revision) IS 1501 (Part 3): 2020 6507-3:2018 Metallic Materials $\frac{1}{2}$ Vickers Hardness Test Part 3 Calibration of Reference Blocks (Fifth Revision) IS 1501 (Part 4): 2020 6507-4:2018 Metallic Materials $\frac{1}{2}$ Vickers Hardness Test Part 4 Tables of Hardness Values (Fifth Revision)	Hardness test		
3	IS 6603- 1972	Specification for stainless steel bars and flats.	IS 6603:2001/ ISO 16143-2 Stainless steel bars and flats - Specification (First Revision)	Material Composition		
4	IS : 4905-1968	Methods for random sampling	IS 4905: 2015/ ISO 24153: 2009 Random sampling and randomization procedures (First Revision)	Sampling Criteria		

**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)
7.1 ARP Report	<a href="#">64_2776_240816024827_ARP_Report.docx</a>
7.2 Draft Document	No Document Uploaded
8.	<p>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:</p> <div style="border: 1px solid black; padding: 5px; width: fit-content;">Review</div>