### **BUREAU OF INDIAN STANDARDS**

### **Program of Work**

## MHD 1 : Surgical Instruments

Scope: To formulate Indian Standards for General, Pediatric, Urological, Gastrointestinal, and plastic

surgery instruments including endoscopic, laparoscopic and robotic surgery instruments and

hemostatic devices

Liaison: **ISO TC-170 (P):** Surgical instruments

## **Published Standards**

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10383:1982	Specification for scissors, nail,	December, 2016	-	Indigenous
	Reviewed In: 2016	curved on flat	urved on flat		
2	IS 10384:1982	Scissors, Bandage, Smith's Pattern	December, 2016	-	Indigenous
	Reviewed In: 2016				
3	IS 10414:2024	Autopsy Instruments - Bowel		-	Indigenous
		Scissors (first revsion)			
4	IS 10445:1982	Specification for scissors, bandage	December, 2016	-	Indigenous
	Reviewed In: 2016	and clothing, angled to side			
5	IS 10599:1993	Surgical Instruments - Needle	December, 2016	-	Indigenous
	Reviewed In: 2016	Holders, Hegar's Pattern - Sizes,			
		Shape and Dimensions			
6	IS 10615:1983	Needle Holder, Bozemann's Pattern	March, 2017	-	Indigenous
	Reviewed In: 2017				
7	IS 10637:1992	Surgical instruments - Forceps,	January, 2016	-	Indigenous
	Reviewed In: 2016	spinter, Arthur's pattern Shape and			
		dimensions			
8	IS 10638:1983	Forceps, Sponge Holding,	December, 2016	-	Indigenous
	Reviewed In: 2016	Foerster's Pattern, Smooth or			
	***************************************	Serrated Jaws			
9	IS 10984:1984	Scissors, Dissecting, Curved on	December, 2016	-	Indigenous
1.0	Reviewed In: 2016	Flat, Pott's Pattern	* ***		
10	IS 11497:2014	Catheter, Foley's Rubber, for	January, 2019	-	Indigenous
	Reviewed In: 2019	Prolonged Urinary Drainage —			
1.1	IC 11502 1002	Specification	4 2024		T 1'
11	IS 11502:1992	Surgical instruments - Forceps	August, 2024	-	Indigenous
	Reviewed in: 2024	tissue, adson - Browns patternshape			
12	IS 11545:1992	and dimensions (First Revision)	March 2010	+	Indianana
12	Reviewed In: 2018	Surgical instruments - Haemostatic, forceps, Adson's pattern - Shape	March, 2018	-	Indigenous
	Keviewed III: 2018	and dimensions			
13	IS 11558:1992	Surgical instruments - vessel,	March, 2018	_	Indigenous
13	Reviewed In : 2018		iviaicii, 2010	_	marganous
	Reviewed III . 2010	shape and dimensions			
14	IS 11595:1992	Surgical instruments - Peritoneum,	March, 2018	+	Indigenous
17	Reviewed In : 2018	forceps, McKulicz's pattern -	iviaicii, 2010		margenous
	Reviewed III . 2010	Shape and dimensions			
15	IS 11640 (Part	Retractor, General Surgery - Part 1	December, 2016	<del> </del>	Indigenous
1.5	15 110 10 (1 411	Treatment, Scholar Surgery 1 art 1	2000111001, 2010	1	marganous

	1):1986	: Schonborn's Pattern			
	Reviewed In: 2016				
16	IS 11640 (Part 2):1987	Retractor, General Surgery - Part 2 : Kocher's Pattern	March, 2018	-	Indigenous
	Reviewed In: 2018				
17	IS 11640 (Part	Retractor - Part 3 : Israel's Pattern	March, 2018	_	Indigenous
-	3):1987		,		
	Reviewed In: 2018				
18	IS 11640 (Part	Retractor - Part 4 : Abdominal,	March, 2018	<u> </u>	Indigenous
10	4):1987	Fritsch's Pattern	March, 2010		indigenous
	Reviewed In : 2018	rinsen's rattern			
19	IS 11640 (Part	Retractor - Part 5 Korte's Pattern	March, 2018	+	Indigenous
19	,	Retractor - Part 3 Norte's Pattern	Maicil, 2016	-	margenous
	5):1987 Reviewed In : 2018				
20		Detugator Cananal Sugarna Dart (	March 2010	1	Indiannos
20	IS 11640 (Part	Retractor, General Surgery - Part 6	March, 2018	-	Indigenous
	6):1987	: Volkmann's Pattern			
21	Reviewed In: 2018	D	N. 1. 2010		Y 1:
21	IS 11640 (Part	Retractor - Part 7 : Abdominal and	March, 2018	-	Indigenous
	7):1987	Liver, Mikulicz's Pattern			
	Reviewed In: 2018				- 1
22	IS 12103:1987	Specification for skin graft	March, 2018	-	Indigenous
	Reviewed In: 2018	expander			
23	IS 12815:2024	Autopsy Instruments - Knife (first		-	Indigenous
		revision)			
24	IS 12822:1989	Surgical Instruments - Forceps	January, 2016	-	Indigenous
	Reviewed In: 2016	Intestinal Mayo-Robson's Pattern			
25	IS 12841 (Part	Surgical Instruments - Needle	February, 2016	-	Indigenous
	1):1989	Holders - Part 1 : Mathieu's Pattern			
	Reviewed In: 2016				
26	IS 12841 (Part	Surgical Instruments - Needle	March, 2016	-	Indigenous
	2):1989	Holders - Part 2 : With Carbide			
	Reviewed In: 2016	Inserts, Stratte's Pattern			
27	IS 12841 (Part	Surgical Instruments - Needle	March, 2016	-	Indigenous
	3):1989	Holders - Part 3 : Heaney's Pattern			
	Reviewed In: 2016				
28	IS 12841 (Part	Surgical Instruments - Needle	March, 2016	-	Indigenous
	4):1989	Holders - Part 4: with Carbide			
	Reviewed In: 2016	Inserts, Debakey's Pattern			
29	IS 13127:1991	Surgical instruments - Suture - Clip	December, 2016	-	Indigenous
	Reviewed In: 2016	applying forceps, wachenfeld type	,		
		shape, dimensions and mass			
30	IS 13198:1991	Surgical instruments - Trocar	December, 2016	-	Indigenous
	Reviewed In: 2016	holding forceps, vogel type -			8. 8.
		Shape, dimensions and mass			
31	IS/ISO 13402:1995	Surgical and dental hand	February, 2019	-	Identical under single
"	ISO 13402:1995	instruments - Determination of			numbering
	Reviewed In: 2019	resistance against autoclaving,			
	ISO 13402: 1995	corrosion and thermal exposure			
32	IS 15732 (Part	Endoscopes - Medical Endoscopes	September, 2024	-	Identical under dual
	1):2018	and Endotherapy Devices Part 1			numbering
	ISO 8600-1 : 2015	General Requirements (First			- minoving
	Reviewed In : 2024	Revision)			
	ISO 8600-1				
33	IS 15732 (Part	Endoscopes - Medical endoscopes		<del> </del>	Identical under dual
"	2):2019	and endotherapy devices: Part 2			numbering
	ISO 8600-2 : 2015	particular requirements for rigid			numbering
	8600-2:2015	bronchoscopes			
34	IS 15732 (Part	Endoscopes - Medical endoscopes		_	Identical under dual
] -	3):2025	and endotherapy devices Part 3		1	numbering
	3).2023	and endomerapy devices I art 3			numbering

1	ISO 8600-3:2019	Determination of field of view and		1	1
	ISO 8600-3:2019	direction of view of endoscopes			
	150 0000 3.2017	with optics (First Revision)			
35	IS 15732 (Part	Endoscopes - Medical endoscopes		_	Identical under dual
	4):2021	and endotherapy devices- Part 4:			numbering
	ISO 8600-4:2014	Determination of maximum width			
	ISO 8600-4:2014	of insertion portion (First			
		Revision)			
36	IS 15732 (Part	Medical endoscopes and		-	Identical under dual
	5):2025	endotherapy devices Part 5:			numbering
	ISO 8600-5:2020	Determination of optical resolution			
	ISO 8600-5:2020	of rigid endoscopes with optics			
37	IS 15732 (Part	Medical endoscopes and		-	Identical under dual
	6):2025	endotherapy devices Part 6			numbering
	ISO 8600-6:2020	Vocabulary			
	ISO 8600-6:2020				
38	IS 15732 (Part	Endoscopes - Medical endoscopes		-	Identical under dual
	7):2019	and endotherapy devices - Part 7:			numbering
	ISO 8600-7 : 2012	Basic requirements for medical			
	ISO 8600-7: 2012	endoscopes of water-resistant type			
39	IS 15732 (Part	Medical endoscopes and		-	Identical under dual
	8):2025	endotherapy devices Part 8			numbering
	ISO 8600-8:2021	Particular requirements for capsule			
	ISO 8600-8:2021	endoscopes			
40	IS 3318:1965	General requirements for surgical	December, 2016	1	Indigenous
	Reviewed In: 2016	scalpels and knives			
41	IS 3319:1995	Blades, surgical, detachable (Bard	January, 2016	1	Indigenous
	Reviewed In: 2016	Parker Type) and handles -			
10	10 2220 1072	Specification (Fourth Revision)	D 1 2016	1	Y 1'
42	IS 3320:1973	Specification for surgical scalpels	December, 2016	1	Indigenous
42	Reviewed In: 2016	(First Revision)	December 2016		Identical under dual
43	IS 3642 (Part	Surgical instruments -	December, 2016	-	
	1):1990 ISO 7151	Specification: Part 1 non - Cutting, articulated instruments (Second			numbering
	Reviewed In: 2016	`			
	ISO 7740: 1985	Revision)			
44	IS 3643:1992	Surgical instruments - Dissecting	March, 2018		Indigenous
44	Reviewed In : 2018	forceps (Serrated And Toothed) -	March, 2016	_	margenous
	Reviewed III . 2016	Shapes and dimensions (First			
		Revision)			
45	IS 3644:1992	Surgical instruments - Artery	March, 2018	_	Indigenous
73		forceps Halsted's Mosquito pattern	March, 2010		margenous
	Reviewed III : 2010	- Shape and dimensions			
46	IS 3645:1992	Surgical instruments - Artery	March, 2018	_	Indigenous
10	Reviewed In: 2018	forceps Spencer Wells pattern -	March, 2010		margenous
	Reviewed III : 2010	Size, shape and dimensions			
47	IS 3759:2024	Skin grafting blade (Second		_	Indigenous
''	15 5 7 5 7 . 202 1	Revision)			That Sollows
48	IS B3759:1987	Specification for blades, skin	December, 2016	-	
	Reviewed In: 2016	-	,		
49	IS 3767:1966	Specification for hook, skin, gillies	December, 2016	1	Indigenous
	Reviewed In: 2016	pattern	,		3.00
50	IS 3787:1966	Specification for gag, mouth, cleft	December, 2016	-	Indigenous
	Reviewed In: 2016		,		
51	IS 4085:2024	Autopsy Instruments â€"		-	Indigenous
L_		Amputation Knife (First Revision)		<u> </u>	
52	IS 4085:1967	Specification for knives,	January, 2022	1	Indigenous
<u></u>	Reviewed In: 2022	amputating			
53	IS 4094:1967	Forceps, Sterilizer, Cheatle's	December, 2016	1	Indigenous
I	I	1		I	I

	Reviewed In: 2016	Pattern			
54	IS 4244:1967	Specification for retractors, skin,	December, 2016	1	Indigenous
	Reviewed In: 2016	double ended			
55	IS 4245:1967	Specification for needle holder		1	Indigenous
	Reviewed In: 2017	(Gillies) combined with scissors,			
		for plastic surgery			
56	IS 4275:2025	Plastic Surgery Instruments -		-	Indigenous
		Kilner Scissors (First Revision)			
57	IS 4281:2025	Plastic Surgery Instruments -		=	Indigenous
		McIndoe Scissors (First Revision)			
58	IS 4282:1992	Surgical instruments - Dissecting	March, 2018	-	Indigenous
	Reviewed In: 2018	forceps, plastic surgery - Shapes			
		and dimensions (First Revision)			
59	IS 4490:1968	Forceps, Dilating, Trousseau's	December, 2016	1	Indigenous
	Reviewed In: 2016				
60	IS 4513:1968	Specification for scissors, surgical	December, 2016	1	Indigenous
	Reviewed In: 2016	dressing and stitch			
61	IS 4587:1968	Specification for raspatories, cleft	December, 2016	1	Indigenous
	Reviewed In: 2016	palate, for plastic surgery			
62	IS 5738:1970	Specification for cystoscope	December, 2016	-	Indigenous
	Reviewed In: 2016				
63	IS 5750:1970	Specification for Sigmoidoscope	December, 2016	1	Indigenous
	Reviewed In: 2016				
64	IS 6434:1971	Bow, Hare Lip Traction (Denis	December, 2016	=	Indigenous
	Reviewed In: 2016	± .	,		
65	IS 6435:1971	Specification for strippers, tendon	December, 2016	-	Indigenous
	Reviewed In: 2016				
66	IS 6437:1970	Specification for stripper, fascia	December, 2016	-	Indigenous
	Reviewed In: 2016		,		
67	IS 6989:2024	Autopsy Instruments â€" Chisel		-	Indigenous
		(First Revision)			
68	IS 6990:2024	Autopsy Instruments â€" Brain		-	Indigenous
		Knife (First Revision)			
69	IS 6996:2024	Autopsy Instruments - Cartilage		-	Indigenous
		Knife (first revision)			
70	IS/ISO 7153-1:2016	` ′		-	Identical under single
	ISO 7153-1 : 2016	Part 1 metals			numbering
	IS/ISO 7153:2016				
71	IS 7388:1992	Surgical instruments -	March, 2018	-	Indigenous
	Reviewed In: 2018	Forceps,tissue,Allis pattern -	,		
		Shape, size and dimensions			
72	IS 7501:1974	Specification for speculum, rectal,	March, 2018	-	Indigenous
	Reviewed In: 2018	kellys pattern	,		
73	IS 7502:1974	Clamp, Intestine, Kocher's Pattern	March, 2018	-	Indigenous
-	Reviewed In: 2018		- ,		6
74	IS 7507:1974	Specification for forceps, stone,	March, 2018	-	Indigenous
	Reviewed In: 2018	bladder	,		
75	IS 7521:1974	Dissector, Kocher's Pattern	March, 2018	-	Indigenous
, .	Reviewed In: 2018	2 18800001, 11001101 8 1 11110111	11111111, 2010		1114154110410
76	IS 7522:1975	Retractor, Abdominal, Morris'	March, 2018	-	Indigenous
. •	Reviewed In: 2018	Pattern			11119011040
77	IS 7531:1990	Surgical instruments - Corrosion	March, 2018	-	Indigenous
. ,		resistance of stainless steel surgical			11119011040
	110 110 110 III . 2010	instruments - Methods of tests			
		(First Revision)			
78	IS 7561:1992	Surgical instruments - Forceps,	March, 2018		Indigenous
, 0	Reviewed In : 2018	Gallstone, Desjardin's pattern -	17101011, 2010		margenous
	110 110 WOU III . 2010	Shape and dimensions			
79	IS 7566:1992	Surgical instruments -	March, 2018		Indigenous
17	10 / 300.1332	Surgical monuments -	waten, 2010	-	margenous

	Reviewed In: 2018	Forceps,spring clip			
		compressing,Michel's pattern -			
-00	IS 7579:1992	Shape and dimensions	M 1 2010		Y 1'
80	Reviewed In : 2018	Surgical instruments - Forceps,intestine holding, Denis	March, 2018	-	Indigenous
	Keviewed III . 2018	Browne's pattern - Shape and			
		dimensions			
81	IS 7628:1975	Clamp, Stomach, Moynihan's	March, 2018	_	Indigenous
	Reviewed In: 2018	Pattern	,		
82	IS 7665:1975	Clamp, Intestine, Crushing, Lever	March, 2018	-	Indigenous
	Reviewed In: 2018	Action, Payr's Pattern			
83	IS/ISO 7741:1986	Instruments for surgery - Scissors		-	Identical under single
	ISO 7741 : 1986	and shears - General requirements			numbering
	IS/ISO 7741:1986	and test methods			
84	IS 7858:1991	Surgical microscope -	March, 2018	1	Indigenous
0.5	Reviewed In : 2018	Specification (First Revision)	March 2010		In diagnoses
85	IS 7870:1992 Reviewed In : 2018	Surgical instruments -	March, 2018	-	Indigenous
	Reviewed III . 2016	Needle,holder,Mayo-Hegar's and Crile-Wood's Patterns - Shape and			
		dimensions			
86	IS 7892:1975	Specification for Retractor, double	March, 2018	_	Indigenous
	Reviewed In: 2018	and single, blunt hooks			
87	IS 7893:1992	Surgical instruments - Forceps,	March, 2018	-	Indigenous
	Reviewed In: 2018	towel, Backhaus's pattern - Shape.			
		size and dimensions			
88	IS 7912:1975	Scoop, Stanley Boyd's Pattern	March, 2018	-	Indigenous
	Reviewed In: 2018				
89	IS 7980:1976	Specification for handle of skin	March, 2018	-	Indigenous
	Reviewed In: 2018	grafting blade			7.11
90	IS 7994:1976 Reviewed In : 2018	Needle Holder, Barron's Pattern	March, 2018	-	Indigenous
91	IS 8031:1976	Dissector, Watson Cheyne's	March, 2018		Indigenous
91	Reviewed In : 2018	Pattern	March, 2016	_	margenous
92	IS 8040:1992	Surgical instruments - Artery,	March, 2018	_	Indigenous
-	Reviewed In: 2018	forceps,Kocher's pattern - Shape	1/141011, 2010		Indigenous
		and dimensions			
93	IS 8253:1976	Lever, Bone, Bristow's Pattern	March, 2018	-	Indigenous
	Reviewed In: 2018				
94	IS 8340:1977	Needle, Aneurism, Syme's Pattern	March, 2018	-	Indigenous
	Reviewed In: 2018				
95	IS 8341:1977	Retractor, Goitre, Joll's Pattern	March, 2018	-	Indigenous
06	Reviewed In : 2018	Detugator Alex Wile I D "	Man-1- 2010		T <sub>m</sub> Attacks
96	IS 8372:1977	Retractor, Alae, Kilner's Pattern	March, 2018	-	Indigenous
97	Reviewed In : 2018 IS 8377:1977	Bougie, Lister's and Clutton's	March, 2018		Indigenous
"	Reviewed In : 2018	Patterns	waten, 2010	]	murgenous
98	IS 8424:1977	Specification for Gag, Mouth,	March, 2018	<del> </del> -	Indigenous
	Reviewed In: 2018	Lane's Pattern			margonous
99	IS 8583:1991	Surgical instruments - Gall duct	March, 2018	-	Indigenous
	Reviewed In: 2018	dilators, Bake's pattern		<u> </u>	
100	IS 8584:1992	Surgical instruments - Peritonium,	March, 2018	-	Indigenous
	Reviewed In: 2018	forceps, Babcock's pattern -			
		Shapes, sizes and dimensions		1	
101	IS 8585:1977	Specification for bougie,	December, 2016	-	Indigenous
102	Reviewed In : 2016	oesophageal	D 1 2017	1	Y - 0
102	IS 8586:1977	Suction Tube, Poole's Pattern	December, 2016	-	Indigenous
103	Reviewed In : 2016 IS 8853:1978	Specification for retractor, cheek	December, 2016	<u> </u>	Indigenous
103	Reviewed In : 2016	Specification for fetractor, cheek	December, 2010	_	margenous
<del></del>	Reviewed III , 2010	<del>                                     </del>		+	

104	IS 8854:1978	Retractor, Czerny's Pattern	December, 2016	-	Indigenous
107	Reviewed In: 2016				
105	IS 8855:1978	Retractor, Langenbeck's Pattern	December, 2016	1	Indigenous
	Reviewed In: 2016				
106	IS 8889:1992	Surgical Instruments - Forceps,	March, 2018	-	Indigenous
	Reviewed In: 2018	Stone, Kidney, Randall's Pattern -			
		Shapes and Dimensions			
107	IS 8965:1978	Retractor, Deaver's Pattern	December, 2016	-	Indigenous
	Reviewed In: 2016				
108	IS 9144:1979	Specifications for Director and	December, 2016	-	Indigenous
	Reviewed In: 2016	Guide, Cairn's Pattern			
109	IS 9145:1979	Dilator, Rectal, Hegar's Pattern	December, 2016	-	Indigenous
	Reviewed In: 2016				
110	IS 9146:1979	Scissors, Dissecting, Straight and	December, 2016	-	Indigenous
	Reviewed In: 2016	Curved on Flat, Mayo's Pattern			
111	IS 9149:1979	Specification for probe with eye	December, 2016	-	Indigenous
	Reviewed In: 2016				
112	IS 9150:1979	Specification for cylinder,	December, 2016	-	Indigenous
	Reviewed In: 2016	dermabraison plastic surgery			
113	IS 9165 (Part	Surgical instruments - Needles,	March, 2018	-	Indigenous
	1):1992	suture: Part 1 specification (First			
	Reviewed In: 2018	Revision)			
114	IS 9165 (Part	Surgical instruments - Needles,	March, 2018	1	Indigenous
	2):1992	suture: Part 2 eyed needles - Sizes,			
	Reviewed In: 2018	shapes and dimensions			
115	IS 9183:1979	Suction Tube, Magill's Pattern	March, 2018	-	Indigenous
	Reviewed In: 2018				
116	IS 9184:1979	Specification for forceps,	December, 2016	-	Indigenous
	Reviewed In: 2016	disimpaction, maxillary, for plastic			-
		surgery			
117	IS 9649:1980	Specification for introducer,	March, 2018	-	Indigenous
	Reviewed In: 2018	catheter, urethral			
118	IS 9650:1980	Hook, Joseph's Pattern	March, 2018	-	Indigenous
	Reviewed In: 2018		•		Č
119	IS 9651:1980	Clamp, Intestine Holding,	March, 2018	-	Indigenous
	Reviewed In: 2018	Schoemaker's Pattern	,		S
120	IS 9689:1980	Specification for microtome knives	March, 2018	-	Indigenous
	Reviewed In: 2018		,		$\boldsymbol{\mathcal{U}}$

# **Standards under Development**

	Projects Approved				
SI. No.	Doc No.	Title			
1	MHD 1 (25219)	Laparoscopic devices - Hand held instruments			
2	MHD 1 (25220)	Surgical Stapler			
3	MHD 1 (25221)	Compression Therapy Devices			
4	MHD 1 (26475)	Laparoscopic Devices Part 3 Insufflator Suction and Irrigation Pump			

	Preliminary Draft Standards			
SI. No.	SI. No. Doc No. Title			
No Records Found				

	Drafts Standards in WC Stage				
SI. No.	SI. No. Doc No. Title				
No Records Found					

	Draft Standards Completed WC Stage				
SI. No.	SI. No. Doc No. Title				
1	1 MHD 1 (21040) Surgical Instrument - Scalpel				
2	MHD 1 (25736)	Plastic Surgery Instruments - Craniofacial - Cleft Palate Raspatory First Revision			

	Finalized Draft Indian Standard				
SI. No.	SI. No. Doc No. Title				
No Records Found					

	Finalized Draft Indian Standards under Print				
SI. No.	SI. No. Doc No. Title				
No Records Found					

Total Published Standards:116 Total Standards Under development:6

### **Aspect Wise Report**

Product: 115
Code of Practices: 0
Methods of Test: 3
Terminology: 1
Dimensions: 0
System Standard: 0
Safety Standard: 0
Others: 0
ryice Specification: 0

Service Specification: 0 Process Specification: 0 Unclassified: 0

## Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 10104 (Part 1):1981	Needle suture Part 1 curved 1 4 3 8 1 2 and 5 8 circle
2	IS 13809 (Part 1):1993	Quality management procedures for diagnostic and blood transfusion services - guidelines Part 1 Up to 30-bedded hospitals
3	IS 3317:2004 Reviewed In : 2011	Hypodermic Needles-reusable Type-specification
4	IS 3642:1978	General requirements for surgical instruments
5	IS 4089:1967 Reviewed In : 2011	Forceps Clip Removing Michel Pattern
6	IS 7120:1973	Handles for surgical blades detachable Bard Parker type
7	IS 9416:1980 Reviewed In : 2023	Specification for bladder sound

### **Annexure-II : List of Indian Product Standards**

SI. No.	IS No. & Year	Title
1	IS 10383:1982	Specification for scissors nail curved on flat
	Reviewed In: 2016	
2	IS 10384:1982	Scissors Bandage Smith s Pattern
	Reviewed In: 2016	

3	IS 10414:2024	Autopsy Instruments - Bowel Scissors first revsion
4	IS 10445:1982	Specification for scissors bandage and clothing angled to side
	Reviewed In: 2016	Specification for sensors building angled to side
5	IS 10599:1993	Surgical Instruments - Needle Holders Hegar s Pattern - Sizes Shape and Dimensions
	Reviewed In: 2016	
6	IS 10615:1983	Needle Holder Bozemann s Pattern
	Reviewed In: 2017	
7	IS 10637:1992	Surgical instruments - Forceps spinter Arthur s pattern Shape and dimensions
	Reviewed In: 2016	
8	IS 10638:1983	Forceps Sponge Holding Foerster s Pattern Smooth or Serrated Jaws
	Reviewed In: 2016	
9	IS 10984:1984	Scissors Dissecting Curved on Flat Pott s Pattern
	Reviewed In: 2016	
10	IS 11497:2014	Catheter Foley s Rubber for Prolonged Urinary Drainage Specification
	Reviewed In: 2019	
11	IS 11502:1992	Surgical instruments - Forceps tissue adson - Browns patternshape and dimensions First Revision
	Reviewed In : 2024	
12	IS 11545:1992	Surgical instruments - Haemostatic forceps Adson s pattern - Shape and dimensions
12	Reviewed In : 2018 IS 11558:1992	Surgical instruments - vessel forceps Debakey s pattern - Sizes shape and dimensions
13		Surgical instruments - vessel forceps Debakey's pattern - Sizes snape and dimensions
14	Reviewed In : 2018 IS 11595:1992	Surgical instruments - Peritoneum forceps McKulicz s pattern - Shape and dimensions
14	Reviewed In : 2018	Surgical instruments - Fernoneum forceps werkunez's pattern - Shape and dimensions
15	IS 11640 (Part 1):1986	Retractor General Surgery - Part 1 Schonborn s Pattern
15	Reviewed In : 2016	Retractor General Surgery - Fart 1 Scholloon 81 attern
16	IS 11640 (Part 2):1987	Retractor General Surgery - Part 2 Kocher s Pattern
	Reviewed In: 2018	Retractor Scholar Surgery Ture 2 Receiver & Tuttern
17	IS 11640 (Part 3):1987	Retractor - Part 3 Israel s Pattern
	Reviewed In: 2018	
18	IS 11640 (Part 4):1987	Retractor - Part 4 Abdominal Fritsch s Pattern
	Reviewed In: 2018	
19	IS 11640 (Part 5):1987	Retractor - Part 5 Korte s Pattern
	Reviewed In: 2018	
20	IS 11640 (Part 6):1987	Retractor General Surgery - Part 6 Volkmann s Pattern
	Reviewed In: 2018	
21	IS 11640 (Part 7):1987	Retractor - Part 7 Abdominal and Liver Mikulicz s Pattern
	Reviewed In : 2018	
22	IS 12103:1987	Specification for skin graft expander
23	Reviewed In : 2018 IS 12815:2024	Autopsy Instruments - Knife first revision
23	13 12013.2024	Autopsy instruments - Kinte trist revision
24	IS 12822:1989	Surgical Instruments - Forceps Intestinal Mayo-Robson s Pattern
	Reviewed In: 2016	
25	IS 12841 (Part 1):1989	Surgical Instruments - Needle Holders - Part 1 Mathieu s Pattern
	Reviewed In: 2016	
26	IS 12841 (Part 2):1989	Surgical Instruments - Needle Holders - Part 2 With Carbide Inserts Stratte s Pattern
	Reviewed In: 2016	
27	IS 12841 (Part 3):1989	Surgical Instruments - Needle Holders - Part 3 Heaney s Pattern
	Reviewed In: 2016	
28	IS 12841 (Part 4):1989	Surgical Instruments - Needle Holders - Part 4 with Carbide Inserts Debakey s Pattern
20	Reviewed In : 2016	
29	IS 13127:1991	Surgical instruments - Suture - Clip applying forceps wachenfeld type shape dimensions and mass
30	Reviewed In : 2016 IS 13198:1991	Surgical instruments - Trocar holding forceps vogel type - Shape dimensions and mass
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