

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 <i>Reviewed In : 2016</i>	Specification for scissors, nail, curved on flat	December, 2016	-	Indigenous
2	IS 10384 : 1982 <i>Reviewed In : 2016</i>	Scissors, Bandage, Smith's Pattern	December, 2016	-	Indigenous
3	IS 10414 : 1982 <i>Reviewed In : 2016</i>	Specification for scissors, bowel	December, 2016	-	Indigenous
4	IS 10445 : 1982 <i>Reviewed In : 2016</i>	Specification for scissors, bandage and clothing, angled to side	December, 2016	-	Indigenous
5	IS 10599 : 1993 <i>Reviewed In : 2016</i>	Surgical Instruments - Needle Holders, Hegar's Pattern - Sizes, Shape and Dimensions	December, 2016	-	Indigenous
6	IS 10615 : 1983 <i>Reviewed In : 2017</i>	Needle Holder, Bozemann's Pattern	March, 2017	-	Indigenous
7	IS 10637 : 1992 <i>Reviewed In : 2016</i>	Surgical instruments - Forceps, spinter, Arthur's pattern Shape and dimensions	January, 2016	-	Indigenous
8	IS 10638 : 1983 <i>Reviewed In : 2016</i>	Forceps, Sponge Holding, Foerster's Pattern, Smooth or Serrated Jaws	December, 2016	-	Indigenous
9	IS 10984 : 1984 <i>Reviewed In : 2016</i>	Scissors, Dissecting, Curved on Flat, Pott's Pattern	December, 2016	-	Indigenous
10	IS 11497 : 2014 <i>Reviewed In : 2019</i>	Catheter, Foley's Rubber, for Prolonged Urinary Drainage — Specification	January, 2019	-	Indigenous
11	IS 11502 : 1992 <i>Reviewed In : 2018</i>	Surgical instruments - Forceps tissue, adson - Browns pattern shape and dimensions (First Revision)	March, 2018	-	Indigenous
12	IS 11545 : 1992 <i>Reviewed In : 2018</i>	Surgical instruments - Haemostatic, forceps, Adson's pattern - Shape and dimensions	March, 2018	-	Indigenous
13	IS 11558 : 1992 <i>Reviewed In : 2018</i>	Surgical instruments - vessel, forceps, Debakey's pattern - Sizes, shape and dimensions	March, 2018	-	Indigenous
14	IS 11595 : 1992 <i>Reviewed In : 2018</i>	Surgical instruments - Peritoneum, forceps, McKulicz's pattern - Shape and dimensions	March, 2018	-	Indigenous
15	IS 11640 (Part 1) :	Retractor, General Surgery - Part 1	December, 2016	-	Indigenous

	1986 Reviewed In : 2016	: Schonborn's Pattern			
16	IS 11640 (Part 2) : 1987 Reviewed In : 2018	Retractor, General Surgery - Part 2 : Kocher's Pattern	March, 2018	-	Indigenous
17	IS 11640 (Part 3) : 1987 Reviewed In : 2018	Retractor - Part 3 : Israel's Pattern	March, 2018	-	Indigenous
18	IS 11640 (Part 4) : 1987 Reviewed In : 2018	Retractor - Part 4 : Abdominal, Fritsch's Pattern	March, 2018	-	Indigenous
19	IS 11640 (Part 5) : 1987 Reviewed In : 2018	Retractor - Part 5 Korte's Pattern	March, 2018	-	Indigenous
20	IS 11640 (Part 6) : 1987 Reviewed In : 2018	Retractor, General Surgery - Part 6 : Volkmann's Pattern	March, 2018	-	Indigenous
21	IS 11640 (Part 7) : 1987 Reviewed In : 2018	Retractor - Part 7 : Abdominal and Liver, Mikulicz's Pattern	March, 2018	-	Indigenous
22	IS 12103 : 1987 Reviewed In : 2018	Specification for skin graft expander	March, 2018	-	Indigenous
23	IS 12815 : 1989 Reviewed In : 2016	Surgical instruments - Knife autopsy - Specification	January, 2016	-	Indigenous
24	IS 12822 : 1989 Reviewed In : 2016	Surgical Instruments - Forceps Intestinal Mayo-Robson's Pattern	January, 2016	-	Indigenous
25	IS 12841 (Part 1) : 1989 Reviewed In : 2016	Surgical Instruments - Needle Holders - Part 1 : Mathieu's Pattern	February, 2016	-	Indigenous
26	IS 12841 (Part 2) : 1989 Reviewed In : 2016	Surgical Instruments - Needle Holders - Part 2 : With Carbide Inserts, Stratte's Pattern	March, 2016	-	Indigenous
27	IS 12841 (Part 3) : 1989 Reviewed In : 2016	Surgical Instruments - Needle Holders - Part 3 : Heaney's Pattern	March, 2016	-	Indigenous
28	IS 12841 (Part 4) : 1989 Reviewed In : 2016	Surgical Instruments - Needle Holders - Part 4 : with Carbide Inserts, Debakey's Pattern	March, 2016	-	Indigenous
29	IS 13127 : 1991 Reviewed In : 2016	Surgical instruments - Suture - Clip applying forceps, wachenfeld type shape, dimensions and mass	December, 2016	-	Indigenous
30	IS 13198 : 1991 Reviewed In : 2016	Surgical instruments - Trocar holding forceps, vogel type - Shape, dimensions and mass	December, 2016	-	Indigenous
31	IS/ISO 13402 : 1995 ISO 13402:1995 Reviewed In : 2019 ISO 13402: 1995	Surgical and dental hand instruments - Determination of resistance against autoclaving, corrosion and thermal exposure	February, 2019	-	Identical under single numbering
32	IS 15732 (Part 1) : 2018 ISO 8600-1 : 2015 ISO 8600-1	Endoscopes - Medical Endoscopes and Endotherapy Devices Part 1 General Requirements (First Revision)	-	-	Identical under dual numbering
33	IS 15732 (Part 2) : 2019 ISO 8600-2 : 2015 8600-2:2015	Endoscopes - Medical endoscopes and endotherapy devices: Part 2 particular requirements for rigid bronchoscopes		-	Identical under dual numbering
34	IS 15732 (Part 3) : 2006 ISO 8600-3	Optics and photonics - Medical endoscopes and endotherapy devices: Part 3 determination of	November, 2016	-	Identical under dual numbering

	Reviewed In : 2016 ISO 8600-3: 1997	field of view and direction of view of endoscopes with optics			
35	IS 15732 (Part 4) : 2021 ISO 8600-4:2014 ISO 8600-4:2014	Endoscopes - Medical endoscopes and endotherapy devices- Part 4: Determination of maximum width of insertion portion (First Revision)		-	Identical under dual numbering
36	IS 15732 (Part 7) : 2019 ISO 8600-7 : 2012 ISO 8600-7: 2012	Endoscopes - Medical endoscopes and endotherapy devices - Part 7: Basic requirements for medical endoscopes of water-resistant type		-	Identical under dual numbering
37	IS 3318 : 1965 Reviewed In : 2016	General requirements for surgical scalpels and knives	December, 2016	1	Indigenous
38	IS 3319 : 1995 Reviewed In : 2016	Blades, surgical, detachable (Bard Parker Type) and handles - Specification (Fourth Revision)	January, 2016	1	Indigenous
39	IS 3320 : 1973 Reviewed In : 2016	Specification for surgical scalpels (First Revision)	December, 2016	1	Indigenous
40	IS 3642 (Part 1) : 1990 ISO 7151 Reviewed In : 2016 ISO 7740: 1985	Surgical instruments - Specification: Part 1 non - Cutting, articulated instruments (Second Revision)	December, 2016	-	Identical under dual numbering
41	IS 3643 : 1992 Reviewed In : 2018	Surgical instruments - Dissecting forceps (Serrated And Toothed) - Shapes and dimensions (First Revision)	March, 2018	-	Indigenous
42	IS 3644 : 1992 Reviewed In : 2018	Surgical instruments - Artery forceps Halsted's Mosquito pattern - Shape and dimensions	March, 2018	-	Indigenous
43	IS 3645 : 1992 Reviewed In : 2018	Surgical instruments - Artery forceps Spencer Wells pattern - Size, shape and dimensions	March, 2018	-	Indigenous
44	IS 3759 : 1987 Reviewed In : 2021	Specification for blades, skin grafting (First Revision)	December, 2021	-	Indigenous
45	IS B3759 : 1987 Reviewed In : 2016	Specification for blades, skin grafting	December, 2016	-	
46	IS 3767 : 1966 Reviewed In : 2016	Specification for hook, skin, gillies pattern	December, 2016	1	Indigenous
47	IS 3787 : 1966 Reviewed In : 2016	Specification for gag, mouth, cleft palate	December, 2016	-	Indigenous
48	IS 4085 : 1967 Reviewed In : 2022	Specification for knives, amputating	January, 2022	1	Indigenous
49	IS 4094 : 1967 Reviewed In : 2016	Forceps, Sterilizer, Cheatle's Pattern	December, 2016	1	Indigenous
50	IS 4244 : 1967 Reviewed In : 2016	Specification for retractors, skin, double ended	December, 2016	1	Indigenous
51	IS 4245 : 1967 Reviewed In : 2017	Specification for needle holder (Gillies) combined with scissors, for plastic surgery		1	Indigenous
52	IS 4275 : 1967 Reviewed In : 2021	Scissors, Kilner's for Plastic Surgery	December, 2021	1	Indigenous
53	IS 4281 : 1967 Reviewed In : 2016	Scissors, McIndoe's, for Plastic Surgery	December, 2016	1	Indigenous
54	IS 4282 : 1992 Reviewed In : 2018	Surgical instruments - Dissecting forceps, plastic surgery - Shapes and dimensions (First Revision)	March, 2018	-	Indigenous
55	IS 4490 : 1968 Reviewed In : 2016	Forceps, Dilating, Trousseau's	December, 2016	1	Indigenous

56	IS 4513 : 1968 Reviewed In : 2016	Specification for scissors, surgical dressing and stitch	December, 2016	1	Indigenous
57	IS 4587 : 1968 Reviewed In : 2016	Specification for raspatories, cleft palate, for plastic surgery	December, 2016	1	Indigenous
58	IS 5738 : 1970 Reviewed In : 2016	Specification for cystoscope	December, 2016	-	Indigenous
59	IS 5750 : 1970 Reviewed In : 2016	Specification for Sigmoidoscope	December, 2016	1	Indigenous
60	IS 6434 : 1971 Reviewed In : 2016	Bow, Hare Lip Traction (Denis Browne's pattern)	December, 2016	-	Indigenous
61	IS 6435 : 1971 Reviewed In : 2016	Specification for strippers, tendon	December, 2016	-	Indigenous
62	IS 6437 : 1970 Reviewed In : 2016	Specification for stripper, fascia	December, 2016	-	Indigenous
63	IS 6989 : 1973 Reviewed In : 2023	Specification for chisel, post - Mortem	March, 2023	-	Indigenous
64	IS 6990 : 1973 Reviewed In : 2018	Specification for knife, brain, post - Mortem	March, 2018	-	Indigenous
65	IS 6996 : 1973 Reviewed In : 2018	Specification for knife, cartilage	March, 2018	-	Indigenous
66	IS/ISO 7153-1 : 2016 ISO 7153-1 : 2016 IS/ISO 7153:2016	Surgical instruments - Materials: Part 1 metals		-	Identical under single numbering
67	IS 7388 : 1992 Reviewed In : 2018	Surgical instruments - Forceps,tissue,Allis pattern - Shape, size and dimensions	March, 2018	-	Indigenous
68	IS 7501 : 1974 Reviewed In : 2018	Specification for speculum, rectal, kellys pattern	March, 2018	-	Indigenous
69	IS 7502 : 1974 Reviewed In : 2018	Clamp, Intestine, Kocher's Pattern	March, 2018	-	Indigenous
70	IS 7507 : 1974 Reviewed In : 2018	Specification for forceps, stone, bladder	March, 2018	-	Indigenous
71	IS 7521 : 1974 Reviewed In : 2018	Dissector, Kocher's Pattern	March, 2018	-	Indigenous
72	IS 7522 : 1975 Reviewed In : 2018	Retractor, Abdominal, Morris' Pattern	March, 2018	-	Indigenous
73	IS 7531 : 1990 Reviewed In : 2018	Surgical instruments - Corrosion resistance of stainless steel surgical instruments - Methods of tests (First Revision)	March, 2018	-	Indigenous
74	IS 7561 : 1992 Reviewed In : 2018	Surgical instruments - Forceps, Gallstone, Desjardin's pattern - Shape and dimensions	March, 2018	-	Indigenous
75	IS 7566 : 1992 Reviewed In : 2018	Surgical instruments - Forceps,spring clip compressing,Michel's pattern - Shape and dimensions	March, 2018	-	Indigenous
76	IS 7579 : 1992 Reviewed In : 2018	Surgical instruments - Forceps,intestine holding, Denis Browne's pattern - Shape and dimensions	March, 2018	-	Indigenous
77	IS 7628 : 1975 Reviewed In : 2018	Clamp, Stomach, Moynihan's Pattern	March, 2018	-	Indigenous
78	IS 7665 : 1975 Reviewed In : 2018	Clamp, Intestine, Crushing, Lever Action, Payr's Pattern	March, 2018	-	Indigenous
79	IS/ISO 7741 : 1986 ISO 7741 : 1986 IS/ISO 7741:1986	Instruments for surgery - Scissors and shears - General requirements and test methods		-	Identical under single numbering

80	IS 7858 : 1991 Reviewed In : 2018	Surgical microscope - Specification (First Revision)	March, 2018	1	Indigenous
81	IS 7870 : 1992 Reviewed In : 2018	Surgical instruments - Needle,holder,Mayo-Hegar's and Crile-Wood's Patterns - Shape and dimensions	March, 2018	-	Indigenous
82	IS 7892 : 1975 Reviewed In : 2018	Specification for Retractor, double and single, blunt hooks	March, 2018	-	Indigenous
83	IS 7893 : 1992 Reviewed In : 2018	Surgical instruments - Forceps, towel, Backhaus's pattern - Shape. size and dimensions	March, 2018	-	Indigenous
84	IS 7912 : 1975 Reviewed In : 2018	Scoop, Stanley Boyd's Pattern	March, 2018	-	Indigenous
85	IS 7980 : 1976 Reviewed In : 2018	Specification for handle of skin grafting blade	March, 2018	-	Indigenous
86	IS 7994 : 1976 Reviewed In : 2018	Needle Holder, Barron's Pattern	March, 2018	-	Indigenous
87	IS 8031 : 1976 Reviewed In : 2018	Dissector, Watson Cheyne's Pattern	March, 2018	-	Indigenous
88	IS 8040 : 1992 Reviewed In : 2018	Surgical instruments - Artery, forceps,Kocher's pattern - Shape and dimensions	March, 2018	-	Indigenous
89	IS 8253 : 1976 Reviewed In : 2018	Lever, Bone, Bristow's Pattern	March, 2018	-	Indigenous
90	IS 8340 : 1977 Reviewed In : 2018	Needle, Aneurism, Syme's Pattern	March, 2018	-	Indigenous
91	IS 8341 : 1977 Reviewed In : 2018	Retractor, Goitre, Joll's Pattern	March, 2018	-	Indigenous
92	IS 8372 : 1977 Reviewed In : 2018	Retractor, Alae, Kilner's Pattern	March, 2018	-	Indigenous
93	IS 8377 : 1977 Reviewed In : 2018	Bougie, Lister's and Clutton's Patterns	March, 2018	-	Indigenous
94	IS 8424 : 1977 Reviewed In : 2018	Specification for Gag, Mouth, Lane's Pattern	March, 2018	-	Indigenous
95	IS 8583 : 1991 Reviewed In : 2018	Surgical instruments - Gall duct dilators, Bake's pattern	March, 2018	-	Indigenous
96	IS 8584 : 1992 Reviewed In : 2018	Surgical instruments - Peritonium, forceps, Babcock's pattern - Shapes, sizes and dimensions	March, 2018	-	Indigenous
97	IS 8585 : 1977 Reviewed In : 2016	Specification for bougie, oesophageal	December, 2016	-	Indigenous
98	IS 8586 : 1977 Reviewed In : 2016	Suction Tube, Poole's Pattern	December, 2016	-	Indigenous
99	IS 8853 : 1978 Reviewed In : 2016	Specification for retractor, cheek	December, 2016	-	Indigenous
100	IS 8854 : 1978 Reviewed In : 2016	Retractor, Czerny's Pattern	December, 2016	-	Indigenous
101	IS 8855 : 1978 Reviewed In : 2016	Retractor, Langenbeck's Pattern	December, 2016	1	Indigenous
102	IS 8889 : 1992 Reviewed In : 2018	Surgical Instruments - Forceps, Stone, Kidney, Randall's Pattern - Shapes and Dimensions	March, 2018	-	Indigenous
103	IS 8965 : 1978 Reviewed In : 2016	Retractor, Deaver's Pattern	December, 2016	-	Indigenous
104	IS 9144 : 1979 Reviewed In : 2016	Specifications for Director and Guide, Cairn's Pattern	December, 2016	-	Indigenous
105	IS 9145 : 1979 Reviewed In : 2016	Dilator, Rectal, Hegar's Pattern	December, 2016	-	Indigenous
106	IS 9146 : 1979	Scissors, Dissecting, Straight and	December, 2016	-	Indigenous

	Reviewed In : 2016	Curved on Flat, Mayo's Pattern			
107	IS 9149 : 1979 Reviewed In : 2016	Specification for probe with eye	December, 2016	-	Indigenous
108	IS 9150 : 1979 Reviewed In : 2016	Specification for cylinder, dermabraison plastic surgery	December, 2016	-	Indigenous
109	IS 9165 (Part 1) : 1992 Reviewed In : 2018	Surgical instruments - Needles, suture: Part 1 specification (First Revision)	March, 2018	-	Indigenous
110	IS 9165 (Part 2) : 1992 Reviewed In : 2018	Surgical instruments - Needles, suture: Part 2 eyed needles - Sizes, shapes and dimensions	March, 2018	1	Indigenous
111	IS 9183 : 1979 Reviewed In : 2018	Suction Tube, Magill's Pattern	March, 2018	-	Indigenous
112	IS 9184 : 1979 Reviewed In : 2016	Specification for forceps, disimpaction, maxillary, for plastic surgery	December, 2016	-	Indigenous
113	IS 9416 : 1980 Reviewed In : 2023	Specification for bladder sound	May, 2023	-	Indigenous
114	IS 9649 : 1980 Reviewed In : 2018	Specification for introducer, catheter, urethral	March, 2018	-	Indigenous
115	IS 9650 : 1980 Reviewed In : 2018	Hook, Joseph's Pattern	March, 2018	-	Indigenous
116	IS 9651 : 1980 Reviewed In : 2018	Clamp, Intestine Holding, Schoemaker's Pattern	March, 2018	-	Indigenous
117	IS 9689 : 1980 Reviewed In : 2018	Specification for microtome knives	March, 2018	-	Indigenous

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

Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	MHD 1 (26143)	Endoscopes - Medical endoscopes and endotherapy devices Part 3 Determination of field of view and direction of view of endoscopes with optics First Revision

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	MHD 1 (21040)	Surgical Instrument - Scalpel
2	MHD 1 (25222)	Optics and photonics Medical endoscopes and endotherapy devices Part 5 Determination of optical resolution of rigid endoscopes with optics
3	MHD 1 (25232)	Medical endoscopes and endotherapy devices Part 6 Vocabulary
4	MHD 1 (25233)	Medical endoscopes and endotherapy devices Part 8 Particular requirements for capsule endoscopes
5	MHD 1 (25736)	Plastic Surgery Instruments - Craniofacial - Cleft Palate Raspatory First Revision

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	MHD 1 (21041) Revision of: IS 3759:1987	Skin grafting blade
2	MHD 1 (22077) Revision of: IS 6990:1973	Autopsy Instruments - Brain Knife
3	MHD 1 (22078) Revision of: IS 6989:1973	Autopsy Instruments - Chisel
4	MHD 1 (22284) Revision of: IS 4275:1967	Plastic Surgery Instruments - Kilner Scissors
5	MHD 1 (22318) Revision of: IS 4085:1967	Autopsy Instruments - Amputation Knife
6	MHD 1 (24072) Revision of: IS 6996:1973	Autopsy Instruments - Cartilage Knife
7	MHD 1 (24170) Revision of: IS 12815:1989	Autopsy Instruments - Knife
8	MHD 1 (24248) Revision of: IS 10414:1982	Autopsy Instruments - Bowel Scissors
9	MHD 1 (24258) Revision of: IS 4281:1967	Plastic Surgery Instruments - McIndoe Scissors

Total Published Standards:117 Total Standards Under development:18

Aspect Wise Report

Product : 114
Code of Practices : 0
Methods of Test : 3
Terminology : 0
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 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

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10383 : 1982 Reviewed In : 2016	Specification for scissors nail curved on flat
2	IS 10384 : 1982 Reviewed In : 2016	Scissors Bandage Smith s Pattern
3	IS 10414 : 1982 Reviewed In : 2016	Specification for scissors bowel
4	IS 10445 : 1982 Reviewed In : 2016	Specification for scissors bandage and clothing angled to side
5	IS 10599 : 1993 Reviewed In : 2016	Surgical Instruments - Needle Holders Hegar s Pattern - Sizes Shape and Dimensions
6	IS 10615 : 1983 Reviewed In : 2017	Needle Holder Bozemann s Pattern
7	IS 10637 : 1992 Reviewed In : 2016	Surgical instruments - Forceps spinter Arthur s pattern Shape and dimensions
8	IS 10638 : 1983 Reviewed In : 2016	Forceps Sponge Holding Foerster s Pattern Smooth or Serrated Jaws
9	IS 10984 : 1984 Reviewed In : 2016	Scissors Dissecting Curved on Flat Pott s Pattern
10	IS 11497 : 2014 Reviewed In : 2019	Catheter Foley s Rubber for Prolonged Urinary Drainage Specification
11	IS 11502 : 1992 Reviewed In : 2018	Surgical instruments - Forceps tissue adson - Browns patternshape and dimensions First Revision
12	IS 11545 : 1992 Reviewed In : 2018	Surgical instruments - Haemostatic forceps Adson s pattern - Shape and dimensions
13	IS 11558 : 1992 Reviewed In : 2018	Surgical instruments - vessel forceps Debakey s pattern - Sizes shape and dimensions
14	IS 11595 : 1992 Reviewed In : 2018	Surgical instruments - Peritoneum forceps McKulicz s pattern - Shape and dimensions
15	IS 11640 (Part 1) : 1986 Reviewed In : 2016	Retractor General Surgery - Part 1 Schonborn s Pattern
16	IS 11640 (Part 2) : 1987 Reviewed In : 2018	Retractor General Surgery - Part 2 Kocher s Pattern
17	IS 11640 (Part 3) : 1987 Reviewed In : 2018	Retractor - Part 3 Israel s Pattern
18	IS 11640 (Part 4) : 1987 Reviewed In : 2018	Retractor - Part 4 Abdominal Fritsch s Pattern
19	IS 11640 (Part 5) : 1987 Reviewed In : 2018	Retractor - Part 5 Korte s Pattern
20	IS 11640 (Part 6) : 1987 Reviewed In : 2018	Retractor General Surgery - Part 6 Volkmann s Pattern
21	IS 11640 (Part 7) : 1987 Reviewed In : 2018	Retractor - Part 7 Abdominal and Liver Mikulicz s Pattern
22	IS 12103 : 1987 Reviewed In : 2018	Specification for skin graft expander
23	IS 12815 : 1989 Reviewed In : 2016	Surgical instruments - Knife autopsy - Specification
24	IS 12822 : 1989 Reviewed In : 2016	Surgical Instruments - Forceps Intestinal Mayo-Robson s Pattern
25	IS 12841 (Part 1) : 1989 Reviewed In : 2016	Surgical Instruments - Needle Holders - Part 1 Mathieu s Pattern
26	IS 12841 (Part 2) : 1989 Reviewed In : 2016	Surgical Instruments - Needle Holders - Part 2 With Carbide Inserts Stratte s Pattern
27	IS 12841 (Part 3) : 1989 Reviewed In : 2016	Surgical Instruments - Needle Holders - Part 3 Heaney s Pattern
28	IS 12841 (Part 4) : 1989	Surgical Instruments - Needle Holders - Part 4 with Carbide Inserts Debakey s Pattern

	Reviewed In : 2016	
29	IS 13127 : 1991 Reviewed In : 2016	Surgical instruments - Suture - Clip applying forceps wachenfeld type shape dimensions and mass
30	IS 13198 : 1991 Reviewed In : 2016	Surgical instruments - Trocar holding forceps vogel type - Shape dimensions and mass
31	IS 15732 (Part 1) : 2018 ISO 8600-1 : 2015 ISO 8600-1	Endoscopes - Medical Endoscopes and Endotherapy Devices Part 1 General Requirements First Revision
32	IS 15732 (Part 2) : 2019 ISO 8600-2 : 2015 8600-2:2015	Endoscopes - Medical endoscopes and endotherapy devices Part 2 particular requirements for rigid bronchoscopes
33	IS 15732 (Part 4) : 2021 ISO 8600-4:2014 ISO 48-3:2018	Endoscopes - Medical endoscopes and endotherapy devices- Part 4 Determination of maximum width of insertion portion First Revision
34	IS 15732 (Part 7) : 2019 ISO 8600-7 : 2012 ISO 8600-7: 2012	Endoscopes - Medical endoscopes and endotherapy devices - Part 7 Basic requirements for medical endoscopes of water-resistant type
35	IS 3318 : 1965 Reviewed In : 2016	General requirements for surgical scalpels and knives
36	IS 3319 : 1995 Reviewed In : 2016	Blades surgical detachable Bard Parker Type and handles - Specification Fourth Revision
37	IS 3320 : 1973 Reviewed In : 2016	Specification for surgical scalpels First Revision
38	IS 3642 (Part 1) : 1990 ISO 7151 Reviewed In : 2016 ISO 7740: 1985	Surgical instruments - Specification Part 1 non - Cutting articulated instruments Second Revision
39	IS 3643 : 1992 Reviewed In : 2018	Surgical instruments - Dissecting forceps Serrated And Toothed - Shapes and dimensions First Revision
40	IS 3644 : 1992 Reviewed In : 2018	Surgical instruments - Artery forceps Halsted s Mosquito pattern - Shape and dimensions
41	IS 3645 : 1992 Reviewed In : 2018	Surgical instruments - Artery forceps Spencer Wells pattern - Size shape and dimensions
42	IS 3759 : 1987 Reviewed In : 2021	Specification for blades skin grafting First Revision
43	IS B3759 : 1987 Reviewed In : 2016	Specification for blades skin grafting
44	IS 3767 : 1966 Reviewed In : 2016	Specification for hook skin gillies pattern
45	IS 3787 : 1966 Reviewed In : 2016	Specification for gag mouth cleft palate
46	IS 4085 : 1967 Reviewed In : 2022	Specification for knives amputating
47	IS 4094 : 1967 Reviewed In : 2016	Forceps Sterilizer Cheatle s Pattern
48	IS 4244 : 1967 Reviewed In : 2016	Specification for retractors skin double ended
49	IS 4245 : 1967 Reviewed In : 2017	Specification for needle holder Gillies combined with scissors for plastic surgery
50	IS 4275 : 1967 Reviewed In : 2021	Scissors Kilner s for Plastic Surgery
51	IS 4281 : 1967 Reviewed In : 2016	Scissors McIndoe s for Plastic Surgery
52	IS 4282 : 1992 Reviewed In : 2018	Surgical instruments - Dissecting forceps plastic surgery - Shapes and dimensions First Revision
53	IS 4490 : 1968 Reviewed In : 2016	Forceps Dilating Trousseau s
54	IS 4513 : 1968 Reviewed In : 2016	Specification for scissors surgical dressing and stitch

55	IS 4587 : 1968 Reviewed In : 2016	Specification for raspatories cleft palate for plastic surgery
56	IS 5738 : 1970 Reviewed In : 2016	Specification for cystoscope
57	IS 5750 : 1970 Reviewed In : 2016	Specification for Sigmoidoscope
58	IS 6434 : 1971 Reviewed In : 2016	Bow Hare Lip Traction Denis Browne s pattern
59	IS 6435 : 1971 Reviewed In : 2016	Specification for strippers tendon
60	IS 6437 : 1970 Reviewed In : 2016	Specification for stripper fascia
61	IS 6989 : 1973 Reviewed In : 2023	Specification for chisel post - Mortem
62	IS 6990 : 1973 Reviewed In : 2018	Specification for knife brain post - Mortem
63	IS 6996 : 1973 Reviewed In : 2018	Specification for knife cartilage
64	IS/ISO 7153-1 : 2016 ISO 7153-1 : 2016 IS/ISO 7153:2016	Surgical instruments - Materials Part 1 metals
65	IS 7388 : 1992 Reviewed In : 2018	Surgical instruments - Forceps tissue Allis pattern - Shape size and dimensions
66	IS 7501 : 1974 Reviewed In : 2018	Specification for speculum rectal kellys pattern
67	IS 7502 : 1974 Reviewed In : 2018	Clamp Intestine Kocher s Pattern
68	IS 7507 : 1974 Reviewed In : 2018	Specification for forceps stone bladder
69	IS 7521 : 1974 Reviewed In : 2018	Dissector Kocher s Pattern
70	IS 7522 : 1975 Reviewed In : 2018	Retractor Abdominal Morris Pattern
71	IS 7561 : 1992 Reviewed In : 2018	Surgical instruments - Forceps Gallstone Desjardin s pattern - Shape and dimensions
72	IS 7566 : 1992 Reviewed In : 2018	Surgical instruments - Forceps spring clip compressing Michel s pattern - Shape and dimensions
73	IS 7579 : 1992 Reviewed In : 2018	Surgical instruments - Forceps intestine holding Denis Browne s pattern - Shape and dimensions
74	IS 7628 : 1975 Reviewed In : 2018	Clamp Stomach Moynihan s Pattern
75	IS 7665 : 1975 Reviewed In : 2018	Clamp Intestine Crushing Lever Action Payr s Pattern
76	IS/ISO 7741 : 1986 ISO 7741 : 1986 IS/ISO 7741:1986	Instruments for surgery - Scissors and shears - General requirements and test methods
77	IS 7858 : 1991 Reviewed In : 2018	Surgical microscope - Specification First Revision
78	IS 7870 : 1992 Reviewed In : 2018	Surgical instruments - Needle holder Mayo-Hegar s and Crile-Wood s Patterns - Shape and dimensions
79	IS 7892 : 1975 Reviewed In : 2018	Specification for Retractor double and single blunt hooks
80	IS 7893 : 1992 Reviewed In : 2018	Surgical instruments - Forceps towel Backhaus s pattern - Shape size and dimensions
81	IS 7912 : 1975 Reviewed In : 2018	Scoop Stanley Boyd s Pattern
82	IS 7980 : 1976 Reviewed In : 2018	Specification for handle of skin grafting blade
83	IS 7994 : 1976	Needle Holder Barron s Pattern

	Reviewed In : 2018	
84	IS 8031 : 1976 Reviewed In : 2018	Dissector Watson Cheyne s Pattern
85	IS 8040 : 1992 Reviewed In : 2018	Surgical instruments - Artery forceps Kocher s pattern - Shape and dimensions
86	IS 8253 : 1976 Reviewed In : 2018	Lever Bone Bristow s Pattern
87	IS 8340 : 1977 Reviewed In : 2018	Needle Aneurism Syme s Pattern
88	IS 8341 : 1977 Reviewed In : 2018	Retractor Goitre Joll s Pattern
89	IS 8372 : 1977 Reviewed In : 2018	Retractor Alae Kilner s Pattern
90	IS 8377 : 1977 Reviewed In : 2018	Bougie Lister s and Clutton s Patterns
91	IS 8424 : 1977 Reviewed In : 2018	Specification for Gag Mouth Lane s Pattern
92	IS 8583 : 1991 Reviewed In : 2018	Surgical instruments - Gall duct dilators Bake s pattern
93	IS 8584 : 1992 Reviewed In : 2018	Surgical instruments - Peritonium forceps Babcock s pattern - Shapes sizes and dimensions
94	IS 8585 : 1977 Reviewed In : 2016	Specification for bougie oesophageal
95	IS 8586 : 1977 Reviewed In : 2016	Suction Tube Poole s Pattern
96	IS 8853 : 1978 Reviewed In : 2016	Specification for retractor cheek
97	IS 8854 : 1978 Reviewed In : 2016	Retractor Czerny s Pattern
98	IS 8855 : 1978 Reviewed In : 2016	Retractor Langenbeck s Pattern
99	IS 8889 : 1992 Reviewed In : 2018	Surgical Instruments - Forceps Stone Kidney Randall s Pattern - Shapes and Dimensions
100	IS 8965 : 1978 Reviewed In : 2016	Retractor Deaver s Pattern
101	IS 9144 : 1979 Reviewed In : 2016	Specifications for Director and Guide Cairn s Pattern
102	IS 9145 : 1979 Reviewed In : 2016	Dilator Rectal Hegar s Pattern
103	IS 9146 : 1979 Reviewed In : 2016	Scissors Dissecting Straight and Curved on Flat Mayo s Pattern
104	IS 9149 : 1979 Reviewed In : 2016	Specification for probe with eye
105	IS 9150 : 1979 Reviewed In : 2016	Specification for cylinder dermabraison plastic surgery
106	IS 9165 (Part 1) : 1992 Reviewed In : 2018	Surgical instruments - Needles suture Part 1 specification First Revision
107	IS 9165 (Part 2) : 1992 Reviewed In : 2018	Surgical instruments - Needles suture Part 2 eyed needles - Sizes shapes and dimensions
108	IS 9183 : 1979 Reviewed In : 2018	Suction Tube Magill s Pattern
109	IS 9184 : 1979 Reviewed In : 2016	Specification for forceps disimpaction maxillary for plastic surgery
110	IS 9416 : 1980 Reviewed In : 2023	Specification for bladder sound
111	IS 9649 : 1980 Reviewed In : 2018	Specification for introducer catheter urethral
112	IS 9650 : 1980 Reviewed In : 2018	Hook Joseph s Pattern

113	IS 9651 : 1980 Reviewed In : 2018	Clamp Intestine Holding Schoemaker s Pattern
114	IS 9689 : 1980 Reviewed In : 2018	Specification for microtome knives