

BUREAU OF INDIAN STANDARDS

Program of Work

MHD 7 : Neurosurgery Instruments Implants and Accessories

Scope: To formulate Indian Standards for Neurosurgery instruments, implants and accessories (cranial & spinal) and monitoring devices

Liaison:

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10157 : 2023	Neurological Percussor (First Revision)		-	Indigenous
2	IS 10172 : 1982 Reviewed In : 2022	Specification for burs and perforators for drill brace	July, 2022	-	Indigenous
3	IS 10172 : 2023 IEC TS 60815-4: 2016	Drill Brace - Burs and Perforators (First Revision)		-	Identical under dual numbering
4	IS 10174 : 2023	Skull Traction Tongs - Crutchfield's Pattern (First Revision)		-	Indigenous
5	IS 10183 : 2024	Self- Retaining Retractor For Laminectomy (first revision)		-	Indigenous
6	IS 10676 : 2024	Brain Spatula "Olivecrona"™s Pattern (First Revision)		-	Indigenous
7	IS 10677 : 2024	Intervertebral Disc Rongeur (First Revision)		-	Indigenous
8	IS 10765 : 2024	Cushing's Pattern Toothed and Bayonet Shaped Dissecting Forceps(First Revision)		-	Indigenous
9	IS 13141 : 2023	Leksell's Rongeur for Neurosurgery (First Revision)		-	Indigenous
10	IS 13175 : 1991 Reviewed In : 2022	Neurosurgical instruments - Needle holder - Shape and dimensions	April, 2022	-	Indigenous
11	IS 13175 : 2025	Neurosurgical Instruments - Needle Holder - Shape and Dimensions (First Revision)		-	Indigenous
12	IS 13180 : 2023	Neurosurgery - Scoville Trephine (First Revision)		-	Indigenous
13	IS 14139 (Part 1) : 2024 ISO 9713 : 2022 ISO 9713:2022	Neurosurgical Implants Part 1 Self-Closing Intracranial Aneurysm Clips (Second Revision)		-	Identical under dual numbering
14	IS 14679 : 1999 Reviewed In : 2021	Neurosurgical implants - Implantable peripheral nerve stimulators	January, 2021	-	Indigenous
15	IS/ISO 14708-1 : 2014	Implants for surgery - Active implantable medical devices: Part 1	January, 2023	-	Identical under single numbering

	ISO 14708-1 : 2014 Reviewed In : 2023 ISO 14708-1:2014	general requirements for safety, marking and for information to be provided by the manufacturer (First Revision)			
16	IS/ISO 14708-3 : 2017 ISO 14708-3 : 2017 Reviewed In : 2024 ISO 14708-3:2017	Implants for surgery - Active implantable medical devices: Part 3 implantable neurostimulators (First Revision)	March, 2024	-	Identical under single numbering
17	IS 17744 : 2021 16054:2019 16054:2019	Implants for surgery Minimum data sets for surgical implants		-	Identical under dual numbering
18	IS/ISO 7197 : 2006 Reviewed In : 2024	Neurosurgical implants - Sterile, singleuse hydrocephalus shunts and components	July, 2024	-	Indigenous
19	IS 8174 : 1994 Reviewed In : 2022	Neurosurgical instruments - Forceps, artery, Dandy's pattern - Shape and dimensions (First Revision)	April, 2022	-	Indigenous
20	IS 8174 : 2025	Neurosurgical Instruments- Forceps Artery Dandys Pattern- Shape and Dimensions (Second Revision)		-	Indigenous
21	IS 8175 : 2025	Neurosurgical Instruments -Forceps Artery Straight and Curved on Flat Hugh Cairns Pattern - Shape and Dimensions (Second Revision)		-	Indigenous
22	IS 8175 : 1994 Reviewed In : 2022	Neurosurgical Instruments - Forceps, Artery, Straight and Curved on Flat, Hugh Cairn's Pattern - Shape and Dimensions (First Revision)	April, 2022	-	Indigenous
23	IS 8176 : 2023	Dissectors - Penfield's Pattern (First Revision)		-	Indigenous
24	IS 8334 : 2025	Rongeur, Cranial, Dahlgren's Pattern - Specification (First Revision)		-	Indigenous
25	IS 8334 : 1977 Reviewed In : 2022	Rongeur, Cranial, Dahlgren's Pattern	July, 2022	-	Indigenous
26	IS 8380 : 2023	Double Action Rongeur - Olivecrona's Pattern (First Revision)		-	Indigenous
27	IS 8695 : 1978 Reviewed In : 2022	Specification for Forceps, Dressing, Bayonet Shape, Cushing's Pattern	July, 2022	-	Indigenous
28	IS 8695 : 2025	Forceps, Dressing, Bayonet Shape, Gushing's Pattern - Specification (first revision)		-	Indigenous
29	IS 8696 : 1978 Reviewed In : 2022	Specification for guide, Saw, De Martel's Pattern	July, 2022	-	Indigenous
30	IS 8696 : 2025	Guide, Saw, De Martel's Pattern - Specification (First Revision)		-	Indigenous
31	IS 8799 : 2023	Kerrison Rongeur (First Revision)		-	Indigenous
32	IS 9041 : 2023	Neurosurgery - Periosteal Elevator (First Revision)		-	Indigenous
33	IS 9072 : 2023	Pituitary Rongeur (First Revision)		-	Indigenous

34	IS 9073 : 2023	Neuro-suction Tubes (First Revision)		-	Indigenous
35	IS 9074 : 2023	Raney Clips and Applicators (First Revision)		-	Indigenous
36	IS 9408 : 2024	Self-Retaining Retractor for Neurosurgery (second revision)		-	Indigenous
37	IS 9410 (Part 1) : 2023	Silver Clip Sets Part 1 Clip Cutting and Forming Forceps (First Revision)		-	Indigenous
38	IS 9410 (Part 2) : 2023	Silver Clip Sets Part 2 Clip Applying Forceps (First Revision)		-	Indigenous
39	IS 9410 (Part 3) : 2023	Silver Clip Sets Part 3 Clip Racks (First Revision)		-	Indigenous
40	IS 9903 : 2023	Skull Brace (First Revision)		-	Indigenous
41	IS 9904 : 2023	Dural Hooks (First Revision)		-	Indigenous
42	IS 9911 : 1981 Reviewed In : 2022	Specification for cannula, brain	April, 2022	-	Indigenous
43	IS 9911 : 2025	Brain Cannula - Specification (First Revision)		-	Indigenous
44	IS 9914 : 2023	Ice Tong Calipers - Cone's Pattern (First Revision)		-	Indigenous
45	IS 9933 : 2023	Brain Retractors (First Revision)		-	Indigenous

Standards under Development

Projects Approved

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

Preliminary Draft Standards

SI. No.	Doc No.	Title
1	MHD 7 (26390)	Specification for Intracranial Pressure Monitors
2	MHD 7 (26391)	Specification for Electroconvulsive Therapy Machine

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	MHD 7 (26388)	SPECIFICATION FOR ALGOMETER
2	MHD 7 (26392)	Specification for Single Channel Physiological Recorder

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	MHD 7 (27389)	Neurosurgical implants Sterile single-use hydrocephalus shunts First Revision

Finalized Draft Indian Standard

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

Finalized Draft Indian Standards under Print

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

Total Published Standards:37 Total Standards Under development:5

Aspect Wise Report

Product : 35
Code of Practices : 1
Methods of Test : 0
Terminology : 0
Dimensions : 1
System Standard : 0
Safety Standard : 1
Others : 0
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 14219 : 2001 Reviewed In : 2006	Neurosurgical Implants - Sterile Single-Use Hydrocephalus Shunts and Components
2	IS/ISO 14708-7 : 2013 ISO 14708-7 : 2013 ISO 14708-7:2013	Implants for surgery - Active implantable medical devices Part 7 particular requirements for cochlear implant systems
3	IS 14921 : 2001 ISO 10310 Reviewed In : 2011	Neurosurgical Implants Marking and Packaging of Implantable Neural Stimulators

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10157 : 2023	Neurological Percussor First Revision
2	IS 10172 : 1982 Reviewed In : 2022	Specification for burs and perforators for drill brace
3	IS 10174 : 2023	Skull Traction Tongs - Crutchfield 39 s Pattern First Revision
4	IS 10183 : 2024	Self- Retaining Retractor For Laminectomy first revision
5	IS 10676 : 2024	Brain Spatula Olivecrona s Pattern First Revision
6	IS 10677 : 2024	Intervertebral Disc Rongeur First Revision
7	IS 10765 : 2024	Cushing s Pattern Toothed and Bayonet Shaped Dissecting Forceps First Revision
8	IS 13141 : 2023	Leksell 39 s Rongeur for Neurosurgery First Revision
9	IS 13175 : 2025	Neurosurgical Instruments - Needle Holder - Shape and Dimensions First Revision
10	IS 13180 : 2023	Neurosurgery - Scoville Trephine First Revision
11	IS 14139 (Part 1) : 2024 ISO 9713 : 2022	Neurosurgical Implants Part 1 Self-Closing Intracranial Aneurysm Clips Second Revision

12	IS 14679 : 1999 Reviewed In : 2021	Neurosurgical implants - Implantable peripheral nerve stimulators
13	IS/ISO 14708-3 : 2017 ISO 14708-3 : 2017 Reviewed In : 2024 ISO 14708-3:2017	Implants for surgery - Active implantable medical devices Part 3 implantable neurostimulators First Revision
14	IS/ISO 7197 : 2006 Reviewed In : 2024	Neurosurgical implants - Sterile singleuse hydrocephalus shunts and components
15	IS 8174 : 2025	Neurosurgical Instruments- Forceps Artery Dandys Pattern-Shape and Dimensions Second Revision
16	IS 8175 : 2025	Neurosurgical Instruments -Forceps Artery Straight and Curved on Flat Hugh Cairns Pattern - Shape and Dimensions Second Revision
17	IS 8176 : 2023	Dissectors - Penfield 39 s Pattern First Revision
18	IS 8334 : 2025	Rongeur Cranial Dahlgren 39 s Pattern - Specification First Revision
19	IS 8380 : 2023	Double Action Rongeur - Olivecrona 39 s Pattern First Revision
20	IS 8695 : 2025	Forceps Dressing Bayonet Shape Gushing 39 s Pattern - Specification first revision
21	IS 8696 : 2025	Guide Saw De Martel 39 s Pattern - Specification First Revision
22	IS 8799 : 2023	Kerrison Rongeur First Revision
23	IS 9041 : 2023	Neurosurgery - Periosteal Elevator First Revision
24	IS 9072 : 2023	Pituitary Rongeur First Revision
25	IS 9073 : 2023	Neuro-suction Tubes First Revision
26	IS 9074 : 2023	Raney Clips and Applicators First Revision
27	IS 9408 : 2024	Self-Retaining Retractor for Neurosurgery second revision
28	IS 9410 (Part 1) : 2023	Silver Clip Sets Part 1 Clip Cutting and Forming Forceps First Revision
29	IS 9410 (Part 2) : 2023	Silver Clip Sets Part 2 Clip Applying Forceps First Revision
30	IS 9410 (Part 3) : 2023	Silver Clip Sets Part 3 Clip Racks First Revision
31	IS 9903 : 2023	Skull Brace First Revision
32	IS 9904 : 2023	Dural Hooks First Revision
33	IS 9911 : 2025	Brain Cannula - Specification First Revision
34	IS 9914 : 2023	Ice Tong Calipers - Cone 39 s Pattern First Revision
35	IS 9933 : 2023	Brain Retractors First Revision