

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 <i>Reviewed In : 2022</i>	Specification for burs and perforators for drill brace	July, 2022	-	Indigenous
3	IS 10172:2023 <i>IEC TS 60815-4: 2016</i>	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 â€” Olivecronaâ€™s Pattern (First Revision)		-	Indigenous
7	IS 10677:2024	Intervertebral Disc Rongeur (First Revision)		-	Indigenous
8	IS 10765:2024	Cushingï½s Pattern Toothed and Bayonet Shaped Dissecting Forceps(First Revision)		-	Indigenous
9	IS 13141:2023	Leksell's Rongeur for Neurosurgery (First Revision)		-	Indigenous
10	IS 13175:2025	Neurosurgical Instruments - Needle Holder - Shape and Dimensions (First Revision)		-	Indigenous
11	IS 13180:2023	Neurosurgery - Scoville Trehpine (First Revision)		-	Indigenous
12	IS 14139 (Part 1):2024 ISO 9713 : 2022 <i>ISO 9713:2022</i>	Neurosurgical Implants Part 1 Self-Closing Intracranial Aneurysm Clips (Second Revision)		-	Identical under dual numbering
13	IS 14679:1999 <i>Reviewed In : 2021</i>	Neurosurgical implants - Implantable peripheral nerve stimulators	January, 2021	-	Indigenous
14	IS/ISO 14708-1:2014 ISO 14708-1 : 2014 <i>Reviewed In : 2023</i>	Implants for surgery - Active implantable medical devices: Part 1 general requirements for safety, marking and for information to be	January, 2023	-	Identical under single numbering

	ISO 14708-1:2014	provided by the manufacturer (First Revision)			
15	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
16	IS 17744:2021 16054:2019 16054:2019	Implants for surgery Minimum data sets for surgical implants		-	Identical under dual numbering
17	IS/ISO 7197:2006 Reviewed In : 2024	Neurosurgical implants - Sterile, singleuse hydrocephalus shunts and components	July, 2024	-	Indigenous
18	IS 8174:2025	Neurosurgical Instruments- Forceps Artery Dandys Pattern- Shape and Dimensions (Second Revision)		-	Indigenous
19	IS 8175:2025	Neurosurgical Instruments -Forceps Artery Straight and Curved on Flat Hugh Cairns Pattern - Shape and Dimensions (Second Revision)		-	Indigenous
20	IS 8176:2023	Dissectors - Penfield's Pattern (First Revision)		-	Indigenous
21	IS 8334:2025	Rongeur, Cranial, Dahlgren's Pattern - Specification (First Revision)		-	Indigenous
22	IS 8380:2023	Double Action Rongeur - Olivcrona's Pattern (First Revision)		-	Indigenous
23	IS 8695:2025	Forceps, Dressing, Bayonet Shape, Gushing's Pattern - Specification (first revision)		-	Indigenous
24	IS 8696:2025	Guide, Saw, De Martel's Pattern - Specification (First Revision)		-	Indigenous
25	IS 8799:2023	Kerrison Rongeur (First Revision)		-	Indigenous
26	IS 9041:2023	Neurosurgery - Periosteal Elevator (First Revision)		-	Indigenous
27	IS 9072:2023	Pituitary Rongeur (First Revision)		-	Indigenous
28	IS 9073:2023	Neuro-suction Tubes (First Revision)		-	Indigenous
29	IS 9074:2023	Raney Clips and Applicators (First Revision)		-	Indigenous
30	IS 9408:2024	Self-Retaining Retractor for Neurosurgery (second revision)		-	Indigenous
31	IS 9410 (Part 1):2023	Silver Clip Sets Part 1 Clip Cutting and Forming Forceps (First Revision)		-	Indigenous
32	IS 9410 (Part 2):2023	Silver Clip Sets Part 2 Clip Applying Forceps (First Revision)		-	Indigenous
33	IS 9410 (Part 3):2023	Silver Clip Sets Part 3 Clip Racks (First Revision)		-	Indigenous
34	IS 9903:2023	Skull Brace (First Revision)		-	Indigenous
35	IS 9904:2023	Dural Hooks (First Revision)		-	Indigenous

36	IS 9911:2025	Brain Cannula - Specification (First Revision)	-	Indigenous
37	IS 9914:2023	Ice Tong Calipers - Cone's Pattern (First Revision)	-	Indigenous
38	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
<i>No Records Found</i>		

Drafts Standards in WC Stage

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

Draft Standards Completed WC Stage

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

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 7 (26390)	Specification for Intracranial Pressure Monitors
2	MHD 7 (26391)	Specification for Electroconvulsive Therapy Machine
3	MHD 7 (27389)	Neurosurgical implants Sterile single-use hydrocephalus shunts
4	MHD 7 (28678)	Specification of Leyla Retractor for Neurosurgery

Total Published Standards:37 Total Standards Under development:4

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

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. 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

SI. 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 Trehpine 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
		Forceps Dressing Bayonet Shape Gushing 39 s Pattern - Specification first revision

20	IS 8695:2025	
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