

## 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 <a href="#">Reviewed In : 2022</a>	Specification for burs and perforators for drill brace	July, 2022	-	Indigenous
3	IS 10172 : 2023 <a href="#">60815-4</a>	Drill Brace - Burs and Perforators (First Revision )		-	Identical under single numbering
4	IS 10174 : 2023	Skull Traction Tongs - Crutchfield's Pattern (First Revision)		-	Indigenous
5	IS 10174 : 1982 <a href="#">Reviewed In : 2022</a>	Tongs, skull Traction, Crutchfield's Pattern	August, 2022	-	Indigenous
6	IS 10183 : 1982 <a href="#">Reviewed In : 2022</a>	Specification for retractor, deep, self - Retaining, laminectomy	July, 2022	-	Indigenous
7	IS 10676 : 1983 <a href="#">Reviewed In : 2022</a>	Spatula, Brain, Double-ended Malleable, Olivecrona's Pattern	July, 2022	-	Indigenous
8	IS 10677 : 2024	Intervertebral Disc Rongeur (First Revision)		-	Indigenous
9	IS 10677 : 1983 <a href="#">Reviewed In : 2022</a>	Specification for rongeur, intervertebral disk	July, 2022	-	Indigenous
10	IS 10765 : 1983 <a href="#">Reviewed In : 2022</a>	Forceps, Dissecting, Toothed and Bayonet Shaped, Cushing's Pattern	July, 2022	-	Indigenous
11	IS 13141 : 1991 <a href="#">Reviewed In : 2022</a>	Neurosurgical Instruments- Leksell's Rongeur	August, 2022	-	Indigenous
12	IS 13141 : 2023	Leksell's Rongeur for Neurosurgery (First Revision)		-	Indigenous
13	IS 13175 : 1991 <a href="#">Reviewed In : 2022</a>	Neurosurgical instruments - Needle holder - Shape and dimensions	April, 2022	-	Indigenous
14	IS 13180 : 2023	Neurosurgery - Scoville Trephine (First Revision )		-	Indigenous
15	IS 14139 : 2008 ISO 9713 <a href="#">Reviewed In : 2023</a> <a href="#">9713:2002</a>	Neurosurgical implants - Self - Closing intracranial aneurysm clips (First Revision)	January, 2023	-	Identical under dual numbering
16	IS 14679 : 1999 <a href="#">Reviewed In : 2021</a>	Neurosurgical implants - Implantable peripheral nerve stimulators	January, 2021	-	Indigenous
17	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)			
18	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
19	IS 17744 : 2021 16054:2019 16054:2019	Implants for surgery Minimum data sets for surgical implants		-	Identical under dual numbering
20	IS/ISO 7197 : 2006 Reviewed In : 2024	Neurosurgical implants - Sterile, singleuse hydrocephalus shunts and components	July, 2024	-	Indigenous
21	IS 8174 : 1994 Reviewed In : 2022	Neurosurgical instruments - Forceps, artery, Dandy's pattern - Shape and dimensions - First Revision	April, 2022	-	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 : 1977 Reviewed In : 2022	Rongeur, Cranial, Dahlgren's Pattern	July, 2022	-	Indigenous
25	IS 8380 : 2023	Double Action Rongeur - Olivecrona's Pattern (First Revision)		-	Indigenous
26	IS 8695 : 1978 Reviewed In : 2022	Forceps, Dressing, Bayonet Shape, Cushing's Pattern	July, 2022	-	Indigenous
27	IS 8696 : 1978 Reviewed In : 2022	Guide, Saw, De Martel's Pattern	July, 2022	-	Indigenous
28	IS 8799 : 2023	Kerrison Rongeur (First Revision)		-	Indigenous
29	IS 9041 : 2023	Neurosurgery - Periosteal Elevator ( First Revision )		-	Indigenous
30	IS 9072 : 2023	Pituitary Rongeur (First Revision)		-	Indigenous
31	IS 9073 : 2023	Neuro-suction Tubes (First Revision)		-	Indigenous
32	IS 9073 : 1979 Reviewed In : 2022	Specification for neuro - Suction tubes	August, 2022	-	Indigenous
33	IS 9074 : 2023	Raney Clips and Applicators (First Revision)		-	Indigenous
34	IS 9408 : 1986 Reviewed In : 2022	Specification for retractor, self retaining (First Revision)	August, 2022	-	Indigenous
35	IS 9410 (Part 1) : 2023	Silver Clip Sets Part 1 Clip Cutting and Forming Forceps (First Revision)		-	Indigenous
36	IS 9410 (Part 2) : 2023	Silver Clip Sets Part 2 Clip Applying Forceps (First Revision)		-	Indigenous
37	IS 9410 (Part 3) : 2023	Silver Clip Sets Part 3 Clip Racks (First Revision)		-	Indigenous
38	IS 9903 : 2023	Skull Brace (First Revision)		-	Indigenous

39	IS 9904 : 2023	Dural Hooks (First Revision)		-	Indigenous
40	IS 9911 : 1981 Reviewed In : 2022	Specification for cannula, brain	April, 2022	-	Indigenous
41	IS 9914 : 2023	Ice Tong Calipers - Cone's Pattern (First Revision)		-	Indigenous
42	IS 9914 : 1981 Reviewed In : 2022	Calipers, Ice Tong, Cone's Pattern	August, 2022	-	Indigenous
43	IS 9933 : 2023	Brain Retractors (First Revision)		-	Indigenous

Standards under Development

Projects Approved		
Sl. No.	Doc No.	Title
No Records Found		

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

Drafts Standards in WC Stage					
Sl. No.	Doc No.		Title		
1	MHD 7 (25834) Revision of: IS 8174:1994		Neurosurgical Instruments- Forceps Artery Dandys Pattern-Shape and Dimensions		
2	MHD 7 (25835) Revision of: IS 8175:1994		Neurosurgical Instruments -Forceps Artery Straight and Curved on Flat Hugh Cairns Pattern - Shape and Dimensions		
3	MHD 7 (25836) Revision of: IS 13175:1991		Neurosurgical Instruments - Needle Holder - Shape and Dimensions		
4	MHD 7 (25864) Revision of: IS 8334:1977		Specification For Rongeur Cranial Dahlgrens Pattern		
5	MHD 7 (25865) Revision of: IS 8695:1978		Specification For Forceps Dressing Bayonet Shape Gushings Pattern		
6	MHD 7 (25866) Revision of: IS 8696:1978		Specification For Guide Saw De Martels Pattern		
7	MHD 7 (25867) Revision of: IS 9911:1981		Specification For Cannula Brain		
8	MHD 7 (25977)		Neurosurgical Implants Self Closing Intracranial Aneurysm Clips		

Draft Standards Completed WC Stage		
Sl. No.	Doc No.	Title
No Records Found		

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

Finalized Draft Indian Standards under Print					
Sl. No.	Doc No.		Title		
1	MHD 7 (20220) Revision		Self- Retaining Retractor For Laminectomy		

	of: IS 10183:1982	
2	MHD 7 (20221) Revision of: IS 10676:1983	Brain Spatula Olivecrona s Pattern First Revision
3	MHD 7 (20223) Revision of: IS 10765:1983	Cushing s Pattern Toothed and Bayonet Shaped Dissecting Forceps First Revision
4	MHD 7 (20236) Revision of: IS 9408:1986	Self-Retaining Retractor for Neurosurgery
5	MHD 7 (21710) Revision of: IS 14139:2008	Neurosurgical Implants Part 1 Self Closing Intracranial Aneurysm Clips Second Revision

Total Published Standards:37	Total Standards Under development:13
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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 : 1982 Reviewed In : 2022	Specification for retractor deep self - Retaining laminectomy
5	IS 10676 : 1983 Reviewed In : 2022	Spatula Brain Double-ended Malleable Olivecrona s Pattern
6	IS 10677 : 2024	Intervertebral Disc Rongeur First Revision
7	IS 10765 : 1983 Reviewed In : 2022	Forceps Dissecting Toothed and Bayonet Shaped Cushing s Pattern
8	IS 13141 : 2023	Leksell 39 s Rongeur for Neurosurgery First Revision
9	IS 13175 : 1991	Neurosurgical instruments - Needle holder - Shape and dimensions

	Reviewed In : 2022	
10	IS 13180 : 2023	Neurosurgery - Scoville Trephine First Revision
11	IS 14139 : 2008 ISO 9713 Reviewed In : 2023 9713:2002	Neurosurgical implants - Self - Closing intracranial aneurysm clips First 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 : 1994 Reviewed In : 2022	Neurosurgical instruments - Forceps artery Dandy 39 s pattern - Shape and dimensions - First Revision
16	IS 8175 : 1994 Reviewed In : 2022	Neurosurgical Instruments - Forceps Artery Straight and Curved on Flat Hugh Cairn 39 s Pattern - Shape and Dimensions First Revision
17	IS 8176 : 2023	Dissectors - Penfield 39 s Pattern First Revision
18	IS 8334 : 1977 Reviewed In : 2022	Rongeur Cranial Dahlgren s Pattern
19	IS 8380 : 2023	Double Action Rongeur - Olivecrona 39 s Pattern First Revision
20	IS 8695 : 1978 Reviewed In : 2022	Forceps Dressing Bayonet Shape Cushing s Pattern
21	IS 8696 : 1978 Reviewed In : 2022	Guide Saw De Martel s Pattern
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 : 1986 Reviewed In : 2022	Specification for retractor self retaining First 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 : 1981 Reviewed In : 2022	Specification for cannula brain
34	IS 9914 : 2023	Ice Tong Calipers - Cone 39 s Pattern First Revision
35	IS 9933 : 2023	Brain Retractors First Revision

