### **BUREAU OF INDIAN STANDARDS**

### **Program of Work**

### MHD 2: Orthopedic Instruments, Implants and Accessories

Scope: To formulate Indian Standards for instruments used in orthopaedic surgery and orthopaedic

implants (Excluding cardio-vascular and neuro-surgical implants) such as bone holding

forceps, bone nail, bone cutting saws and bone drills, etc.

Liaison: ISO TC-150 SC-1 (P): Materials ISO TC-150 SC-5 (P): Osteosynthesis and spinal

devices ISO TC-150 (P): Implants for surgery ISO TC-150 SC-4 (P): Bone and joint

replacements

### **Published Standards**

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10121 (Part	Specification for metal bone	February, 2021	-	Indigenous
	1):1982	screws – Mechanical requirements			
	Reviewed In: 2021	and methods of test Part 1 screws			
		with asymmetrical thread, variable			
		fitting (Spherical), Stainless Steel			
2	IS 10121 (Part	Specification for metal bone	February, 2021	-	Indigenous
	2):1982	screws - Mechanical requirements			
	Reviewed In: 2021	and methods of test Part 2 screws			
		with asymmetrical thread, constant			
		fitting (Spherical), stainless steel			
3	IS 10128:2023	Knowles Pin (First Revision)		-	Indigenous
4	IS 10155:2024	Lower Femoral Blade Plate -		-	Indigenous
		Specification (First Revision)			
5	IS 10235 (Part	Glossary of terms Part 1 general	February, 2021	-	Indigenous
	1):1982	medical terms for surgical implants			
	Reviewed In: 2021				
6	IS 10235 (Part	Glossary of terms in orthopaedics	February, 2021	-	Indigenous
	2):1982	Part 2 mechanics and materials for			
	Reviewed In: 2021	implants			
7	IS 10235 (Part	Glossary of terms in orthopaedics	February, 2021	-	Indigenous
	3):1982	Part 3 orthopaedic surgery			
	Reviewed In: 2021				
8	IS 10326:1982	Spreader, Plaster Cast, Henning's	February, 2021	-	Indigenous
	Reviewed In: 2021	Pattern			
9	IS 10327:1982	Bender, Plaster, Bohler's Pattern	February, 2021	-	Indigenous
	Reviewed In: 2021				
10	IS 10338:1982	Specification for saw, plaster, hand	February, 2021	-	Indigenous
<u></u>	Reviewed In: 2021	- 0 771 - 1			
11	IS 10349:1982	Rasp for Hip Prothesis,	February, 2021	-	Indigenous
	Reviewed In: 2021	Thompson's and Moore's Patterns			
12	IS 10727:2023	Nail, Square, Ulna - Specification		-	Indigenous
	YO 40800 000	(First Revision)			
13	IS 10728:2023	Nail, Square, Radius -		-	Indigenous
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I	1	Specification ( First Revision )		I	1
14	IS 10729:1983	Specification for nail set, kuntscher	February, 2021	_	Indigenous
•	Reviewed In: 2021	Specification for hair set, Ramsener	10014415, 2021		margenous
15	IS 10730:1983	Osteotome, Whitchurch Howell's	February, 2021	1	Indigenous
	Reviewed In: 2021	Pattern			
16	IS 11568:1986	Forceps, Bone Holding, Semb's	March, 2022	-	Indigenous
	Reviewed In: 2022	Pattern			
17	IS 11569:2023	Specification for Cervical Collar		-	Indigenous
		(First Revision)			
18	IS 11569:1986	Specification for cervical collar	January, 2022	1	Indigenous
	Reviewed In: 2022				
19	IS 11953:1986	Specification for driver and bender	March, 2022	-	Indigenous
	Reviewed In: 2022	for rush intramedullary pin			
20	IS 12088:1987	Specification for bone plate,	February, 2023	-	Indigenous
	Reviewed In: 2023	dynamic compression			
21	IS 12172:1987	Specification for distraction	March, 2023	-	Indigenous
22	Reviewed In : 2023	cervical collar	D 1 2022		Y 1'
22	IS 12304:1987	Specification for Plastic Cervical Collar	December, 2023	-	Indigenous
23	Reviewed In: 2023 IS 12304:2024	Conar Plastic Cervical Collar â€"		_	Indigenous
23	13 14304,4024	Specification (First Revision)		-	margenous
24	IS H12304:1987	Plastic Cervical Collar(HINDI)	December, 2023	_	
-	Reviewed In : 2023	1 mone convical conditinition)	December, 2023	_	
25	IS 12375 (Part	Implants for surgery - Partial and	June, 2025	_	Identical under dual
~	1):2015	total hip joint prostheses Part 1	Jano, 2020		numbering
	ISO 7206-1 : 2008	classification and designation of			1
	Reviewed In: 2025	dimensions (Second Revision)			
	ISO 7206-1 : 2008	, , , , , , , , , , , , , , , , , , ,			
26	IS 12375 (Part	Implants for surgery - Partial and	May, 2023	-	Identical under dual
	2):2018	total hip joint prostheses Part 2			numbering
	ISO 7206-2 : 2011	articulating surfaces made of			
	Reviewed In: 2023	metallic, ceramic and plastics			
	ISO 7206-2:2011	materials (First Revision)			
27	IS 12375 (Part	Implants for surgery - Partial and	March, 2022	1	Identical under dual
	4):2016	total hip joint prostheses Part 4			numbering
	ISO 7206-4 : 2010	determination of endurance			
	Reviewed In : 2022	properties and performance of			
	ISO 7206-4 : 2010	stemmed femoral components			
28	IS 12375 (Part	(First Revision) Implants for surgery - Partial and	June, 2023	+	Identical under dual
20	6):2018	total hip joint prostheses Part 6	Julie, 2023	-	numbering
	ISO 7206-6 : 2013	endurance properties testing and			numbering
	Reviewed In : 2023	performance requirements of neck			
	ISO 7206-6:2013	region of stemmed femoral			
	150 ,200 0.2013	components (First Revision)			
29	IS 12375 (Part	Implants for surgery - Partial and		-	Identical under dual
	10):2023	total hip-joint prostheses Part 10			numbering
	ISO 7206-10: 2018	Determination of resistance to			
	ISO 7206-10: 2018	static load of modular femoral			
		heads			
30	IS 12375 (Part	Implants for Surgery - Partial and		-	Modified/Technically
	12):2024	Total Hip Joint Prostheses Part 12:			Equivalent
	ISO 7206-12: 2016				
		Acetabular Shells			
31	IS 12375 (Part	Implants for Surgery - Partial and		-	Modified/Technically
	13):2024	Total Hip Joint Prostheses Part 13			Equivalent
	ISO 7206-13: 2016				
		Torque of Head Fixation of			
<u> </u>		Stemmed Femoral Components			
		•			

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32	· ·	Implants for surgery - Components	December, 2025	-	Identical under dual
	1):2015	for partial and total knee joint			numbering
	ISO 7207-1:2007	prostheses Part 1 classification,			
	Reviewed In: 2025	definitions and designation of			
	ISO 7207-1:2007	dimensions (Second Revision)			
33	IS 12376 (Part	Implants for Surgery - Components		-	Modified/Technically
	2):2025	for Partial and Total Knee-joint			Equivalent
	ISO 7207-2 : 2011	Prostheses Part 2 Articulating			
		Surfaces made of Metal Ceramic			
		and Plastics Materials			
34	IS/ISO	Retrieval and analysis of surgical	March, 2023	=	Identical under single
	12891-1:2015	implants Part 1 retrieval and			numbering
	ISO 12891-1:2015	handling			
	Reviewed In: 2023				
	ISO 12891-1:2015				
35	IS/ISO	Implants for surgery - Calcium	March, 2023	-	Identical under single
	13175-3:2012	phosphates Part 3 hydroxyapatite			numbering
	ISO 13175-3 : 2012	and beta - Tricalcium phosphate			
	Reviewed In: 2023	bone substitutes			
	ISO 13175-3				
36	IS/ISO	Implants for Surgery - Plasma		-	Identical under single
	13179-1:2014	Sprayed Unalloyed Titanium			numbering
	ISO 13179-1 : 2014	Coatings on Metallic Surgical			
	ISO 13179 : 2014	Implants Part 1 General			
		Requirements			
37	IS/ISO 13356:2015	Implants for Surgery – Ceramic	March, 2023	-	Identical under single
	ISO 13356 : 2015	Materials Based on Yttria-	,		numbering
		Stabilized Tetragonal Zirconia ( Y-			
	ISO 13356 : 2015	TZP)			
38	IS 13423:1992	Good manufacturing practices for	December, 2023	_	Indigenous
	Reviewed In: 2023	orthopaedic implants - Guide	2000mou1, 2020		Inalgeneda
39	IS/ISO	Implants for surgery -	March, 2023	_	Identical under single
	13779-3:2018	Hydroxyapatite Part 3 chemical	,		numbering
	ISO 13779-3 : 2018	analysis and characterization of			
	Reviewed In: 2023	crystallinity and phase purity			
	ISO 13779-3:2008	constraints and product possessy			
40	IS/ISO	Implants for surgery -	March, 2023	_	Identical under single
	13779-4:2018	Hydroxyapatite Part 4			numbering
	ISO 13779-4 : 2018	determination of coating adhesion			
	Reviewed In: 2023	strength			
	ISO 13779-4 : 2002	~			
41	IS/ISO	Implants for surgery -	March, 2023	_	Identical under single
-	13779-6:2015	Hydroxyapatite Part 6 powders	, = <b>3=0</b>		numbering
	ISO 13779-6 : 2015	j == == j == parte 1 art o portaeto			
	Reviewed In : 2023				
	ISO 13779-6 : 2015				
42	IS/ISO 13781:2017	Implants for surgery -	March, 2023	_	Identical under single
'-	ISO 13781 : 2017	homopolymers, copolymers and			numbering
	Reviewed In : 2023	blends on poly (Lactide) - In vitro			
	ISO 13781:2017	degradation testing			
43	IS 14227:1995	Implants for surgery - Fixation	February, 2026	_	Identical under dual
'	ISO 8615	devices for use in the ends of the	1 001 001 1, 2020		numbering
	Reviewed In: 2026	femur in adults			inginio orining
	ISO 8615	remui in addits			
44	IS 14228:1996	Implants for surgery - Staples with	February, 2026	_	Identical under dual
	ISO 8827	parallel legs for orthopaedic use -	1 corumy, 2020		numbering
	Reviewed In: 2026	General requirements			numbering
	ISO 8827	General requirements			
45	IS 14229:1995	Implants for surgery -	February, 2026	_	Identical under dual
¬¬	10 1 T447,177J	implants for surgery -	1 cordary, 2020		Identical under dual

I	ISO 9585	Determination of bending strength		I	numbering
	Reviewed In: 2026	and stiffness of bone plates			numbering
	ISO 9585	and stiffless of bone places			
46	IS 14239 (Part	Orthopaedic drilling instruments	June, 2023	_	Identical under dual
10	1):2018	Part 1 drill bits, taps and	June, 2025		numbering
	*	countersink cutters (First Revision)			numbering
	Reviewed In : 2023	countershik cutters (1 fist Revision)			
	ISO 9714-1 : 2012				
47	IS/ISO/TR	Implants for Surgery - Essential	January, 2026		Identical under single
4/	14283:2018		January, 2020	-	
	ISO/TR 14283 :	Principles of Safety and Performance			numbering
		Performance			
	2018				
	Reviewed In : 2026				
10	ISO/TR 14283:2018				
48		Implants for surgery - Differential	March, 2023	-	Identical under dual
	ISO 15309 : 2013	scanning calorimetry of poly ether			numbering
		ether ketone (PEEK) polymers and			
	ISO 15309 : 2013	compounds for use in implantable			
		medical devices		1	
49		Implants for surgery - Acrylic resin	March, 2023	-	Identical under single
		cement - Flexural fatigue testing of			numbering
	Reviewed In: 2023	acrylic resin cements used in			
	ISO 16402 : 2008	orthopaedics			
50	IS/ISO	Non-active surgical implants -	January, 2026	-	Identical under single
	17327-1:2018	Implant coating Part 1 General			numbering
	Reviewed In: 2026	requirements			
	ISO 17327-1:2018				
51	IS 18074 (Part	Implants for surgery - Ultra-high-		-	Identical under dual
	1):2023	molecular-weight polyethylene Part			numbering
	ISO 5834-1: 2019	1 Powder form			
	ISO 5834-1: 2019				
52	IS 18074 (Part	Implants for surgery - Ultra-high-		-	Identical under dual
	2):2023	molecular-weight polyethylene Part			numbering
	ISO 5834-2: 2019	2 Moulded forms			
	ISO 5834-2: 2019				
53	IS 18074 (Part	Implants for Surgery - Ultra-high-		-	Modified/Technically
	3):2024	molecular-weight Polyethylene			Equivalent
	ISO 5834-3: 2019	Part 3 Accelerated Ageing			-
		Methods			
54	IS 18074 (Part	Implants for Surgery - Ultra-High-		-	Modified/Technically
	4):2024	Molecular-Weight Polyethylene			Equivalent
	ISO 5834-4: 2019	Part 4 Oxidation Index			1
		Measurement Method			
55	IS 18074 (Part	Implants for Surgery - Ultra-high-		-	Identical under dual
	5):2024	molecular-weight Polyethylene			numbering
	ISO 5834-5:2019	Part 5: Morphology Assessment			
	ISO 5834-5:2019	Method			
56	IS 18075 (Part	Implants for surgery - Wear of		-	Identical under dual
	1):2023	total knee-joint prostheses Part 1			numbering
	ISO 14243-1:2009	Loading and displacement			6
	ISO 14243-1:2009	parameters for wear-testing			
		machines with load control and			
		corresponding environmental			
		conditions for test			
57	IS 18075 (Part	Implants for surgery - Wear of		_	Identical under dual
	2):2023	total knee-joint prostheses Part 2			numbering
	ISO 14243-2: 2016	Methods of measurement			Tunio Cinig
	ISO 14243-2: 2016				
58	IS 18075 (Part	Implants for surgery - Wear of		_	Identical under dual
5	15 100/5 (1 mit	impunio for bargery wear of		1	identifed ander dual

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	3):2023	total knee-joint prostheses Part 3			numbering
	ISO 14243-3:2014	Loading and displacement			
	ISO 14243-3:2014	parameters for wear-testing			
		machines with displacement			
		control and corresponding			
		environmental conditions for test			
59	IS 18075 (Part	Implants for Surgery - Wear of		-	Identical under dual
	5):2025	Total Knee Prostheses Part 5			numbering
	ISO 14243-5:2019	Durability Performance of the			$\mathcal{E}$
	ISO 14243-5:2019	Patellofemoral Joint			
60	IS 18076:2023	Non-active surgical implants -		_	Identical under dual
	ISO 14630: 2012	General requirements			numbering
	ISO 14630: 2012	General requirements			namoernig
61	IS 18078:2023	Implants for surgery - Metal bone		_	Identical under dual
01	ISO 5836: 1988	plates - Holes corresponding to		_	
	ISO 5836: 1988	1 0			numbering
	130 3830: 1988	screws with asymmetrical thread			
- (2	IC 10070 2022	and spherical under-surface			71 C 1 1 1 1
62	IS 18079:2023	Implants for surgery - Metal bone		-	Identical under dual
	ISO 9269: 1988	plates - Holes and slots			numbering
	ISO 9269: 1988	corresponding to screws with			
<u> </u>		conical under-surface			
63	IS 18125 (Part	Implants for surgery - Total knee-		-	Identical under dual
	1):2023	joint prostheses Part 1			numbering
	ISO 14879-1: 2020	Determination of endurance			
	ISO 14879-1: 2020	properties of knee tibial trays			
64	IS 18261 (Part	Implants for Surgery - Metallic		-	Identical under dual
	3):2023	Materials Part 3 Wrought Titanium			numbering
	ISO 5832-3: 2021	6-Aluminium 4-Vanadium Alloy			
	ISO 5832-3: 2021	Second Revision			
65	IS 18261 (Part	Implants for Surgery - Metallic		-	Identical under dual
	5):2023	Materials Part 5 Wrought Cobalt-			numbering
	ISO 5832-5: 2022	Chromium-Tungsten Nickel (First			
	ISO 5832-5: 2022	Revision)			
66	IS 18261 (Part	Implants for Surgery - Metallic		_	Identical under dual
	6):2023	Materials Part 6 Wrought Cobalt-			numbering
	ISO 5832-6: 2022	Nickel-Chromium-Molybdenum			numbering
	ISO 5832-6: 2022	Alloy First Revision			
67	IS 18359:2023	Implants for surgery -			Identical under dual
07				-	
	ISO 13779-2:2018	Hydroxyapatite Part 2 Thermally			numbering
- 60	ISO 13779-2:2018	sprayed coatings of hydroxyapatite			
68	IS 18537 (Part	Retrieval and analysis of surgical		-	Identical under dual
	2):2024	implants Part 2: Analysis of			numbering
	ISO 12891-2 : 2020	Č I			
	ISO 12891-2 : 2020				
69	IS 18555 (Part	Implants for surgery - Metallic		-	Identical under dual
	12):2024	materials Part 12 Wrought cobalt-			numbering
	ISO 5832-12:2019	chromium-molybdenum alloy			
	ISO 5832-12:2019				
70	IS 18555 (Part	Implants for surgery - Metallic		-	Identical under dual
	14):2024	materials Part 14 Wrought titanium			numbering
	ISO 5832-14:2019	15-molybdenum 5-zirconium			Č
	ISO 5832-14:2019	3-aluminium alloy			
71	IS 18592 (Part	Non-active surgical implants -		-	Identical under dual
	2):2024	Implant coating Part 2 Reference			numbering
	ISO/TR	standards related to coatings			
	17327-2:2021	Samuel as related to contings			
	ISO/TR				
	17327-2:2021				
72		Waar of Implant Materials			Identical under desal
72	IS 18950:2025	Wear of Implant Materials -		-	Identical under dual
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1	150 15052 2011	lnı ıwayı natı	1	1	, ,
	ISO 17853: 2011 ISO 17853: 2011	Polymer and Metal Wear Particles - Isolation and Characterization			numbering
73	IS 18983:2025	Implants for surgery - Test			Identical under dual
13	ISO 19213: 2017	methods of material for use as a		-	numbering
	ISO 19213: 2017	cortical bone model	numb		numbering
74	IS 18984:2025	Implants for surgery - General		_	Identical under dual
'-	ISO/TS 20721: 2020			_	numbering
	ISO/TS 20721: 2020	assessment of absorbable metallic			numbering
	2020	implants			
75	IS 18985:2025	Implants for surgery -		_	Identical under dual
'5	ISO 22926: 2023	Specification and verification of			numbering
	ISO 22926: 2023	synthetic anatomical bone models			numbering
	150 22720. 2023	for testing			
76	IS 18986:2025	Implants for Surgery - Roentgen		_	Identical under dual
"	ISO 16087: 2013	Stereo Photogrammetric Analysis			numbering
		for the Assessment of Migration of			numbering
	150 10007. 2015	Orthopaedic Implants			
77	IS 19066 (Part	Implants for Surgery - Wear of		_	Identical under dual
''	1):2025	Total Hip-Joint Prostheses Part 1			numbering
	ISO 14242-1:2014	Loading and Displacement			numoving.
	ISO 14242-1:2014	Parameters for Wear-testing			
	100 1 12 12 1:2011	Machines and Corresponding			
		Environmental Conditions for Test			
78	IS 19066 (Part	Implants for Surgery - Wear of		_	Identical under dual
, ,	2):2025	Total Hip-Joint Prostheses Part 2			numbering
	ISO 14242-2:2016	Methods of Measurement			numoving
	ISO 14242-2:2016				
79	IS 19066 (Part	Implants for Surgery - Wear of		-	Identical under dual
	3):2025	Total Hip-Joint Prostheses Part 3			numbering
	ISO 14242-3:2009	Loading and Displacement			Č
	ISO 14242-3:2009	Parameters for Orbital Bearing			
		Type Wear Testing Machines and			
		Corresponding Environmental			
		Conditions for Test			
80	IS 19066 (Part	Implants for Surgery - Wear of		-	Identical under dual
	4):2025	Total Hip-Joint Prostheses Part 4			numbering
	ISO 14242-4:2018	Testing Hip Prostheses Under			
	ISO 14242-4:2018	Variations in Component			
		Positioning which Results in Direct			
		Edge Loading			
81	IS 19070:2025	Implants for Surgery - Two-Part		-	Modified/Technically
	ISO 14949:2001	Addition-Cure Silicone Elastomers			Equivalent
82	IS 19071:2025	Instruments for Use in Association		-	Modified/Technically
	ISO 16061: 2021	with Non-Active Surgical Implants			Equivalent
		- General Requirements			· 
83	IS 19072:2025	Non-Active Surgical Implants -		-	Modified/Technically
	ISO 14607: 2018	Mammary Implants - Particular			Equivalent
		Requirements			
84	IS 19180:2025	Non-active surgical implants - Joint		-	Modified/Technically
	ISO 21535 : 2007	replacement implants - Specific			Equivalent
		requirements for hip-joint			
		Replacement implants			
85	IS 19193:2025	Non-Active Surgical Implants -		-	Modified/Technically
	ISO 21536 : 2023	Joint Replacement Implants -			Equivalent
		Specific Requirements for Knee-			
		Joint Replacement Implants			
86	IS 19223:2025	Implants for Surgery - Metallic		-	Identical under dual
		Materials - Unalloyed Tantalum for			numbering
	ISO 13782 : 2019	Surgical Implant Applications			
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1	I	(First Revision)		I	I
87	IS/ISO 19227:2018	Implants for Surgery - Cleanliness	January, 2026	-	Identical under single
"	ISO 19227 : 2018	of Orthopedic Implants - General			numbering
	Reviewed In: 2026	Requirements			
	ISO 19227:2018	1			
88	IS 19233 (Part	Implants for Surgery - Coatings on		-	Modified/Technically
	1):2025	Metallic Surgical Implants Part 1			Equivalent
	ISO 13179-1:2021	Plasma-Sprayed Coatings Derived			1
		from Titanium or Titanium 6			
		Aluminum-4 Vanadium Alloy			
		Powders			
89	IS/ISO 21534:2007	Non - Active surgical implants -	March, 2023	-	Identical under single
	ISO 21534 : 2007	Joint replacement implants -			numbering
	Reviewed In: 2023	Particular requirements			
	ISO 21534 : 2007				
90	IS/ISO 21535:2007	Non - Active surgical implants -		-	Identical under single
	ISO 21535 : 2007	Joint replacement implants -			numbering
	ISO 21535 : 2007	Specific requirements for hip -			
		Joint replacement implants		<u> </u>	
91	IS 5089:1969	Specification for blade plate,	February, 2023	-	Indigenous
	Reviewed In: 2023	blount type			
92	IS 5347 (Part	Requirements for orthopaedic	March, 2022	-	Indigenous
	1):1986	implants Part 1 general			
	Reviewed In: 2022	requirements (Second Revision)			
93	IS 5395 (Part	Specification for Surgical Implants	February, 2026	1	Identical under dual
	1):1989	- Intramedullary nailing systems for			numbering
	ISO 5837/1-1985	bone surgery Part 1 Intramedullary			
	Reviewed In: 2026	nails with cloverleaf or v - shaped			
	ISO 5837/1-1985	cross - section (Second Revision)			
94	IS 5396:1969	Specification for guide pin for	March, 2022	-	Indigenous
	Reviewed In: 2022	kuntscher nail			
95	IS 5397:1969	Specification for reamer, flexible	March, 2022	-	Indigenous
	Reviewed In: 2022	for kuntscher nail (Meddulary			
0.6	10.5554.1050	canal)	1 2022		T 1
96	IS 5574:1970	Specification for forceps, wire	March, 2022	., 2022 - Indigenou	
	Reviewed In: 2022	cutting, compound action,			
07	IC 5500 2024	orthopaedic			To diament
97	IS 5580:2024	Stille Pattern Orthopaedic Chisels -		- Indigenous	
00	IS 5581:2024	Specification (First Revision)		T <sub>m</sub> d <sup>1</sup> · · · · · · · · · ·	
98	15 3381:2024	Bohler's Stirrup - Specification (First Revision)		_	Indigenous
99	IS 5583:2024	Stille Pattern Orthopaedic		+	Indigenous
99	10 3303.2024	Osteotomes - Specification (First		-	mulgenous
		Revision)			
100	IS 5585:1970	Specification for mallet, rubber-	March, 2022	_	Indigenous
100	Reviewed In : 2022	capped	ivialcii, 2022	_	murgenous
101	IS 5589:1970	Specification for saw handle, bone	March, 2022	_	Indigenous
101	Reviewed In : 2022	amputation, orthopaedic	maich, 2022		margenous
102	IS 5590:1970	Specification for saw blade, bone	March, 2022	_	Indigenous
102	Reviewed In : 2022	amputation	17141011, 2022		margenous
103	IS 5601:1970	Specification for gouges, stille	March, 2022	1	Indigenous
	Reviewed In: 2022	pattern, orthopaedic	1.141011, 2022	1	margenous
104	IS 5803:1970	Specification for twist drill used in	March, 2022	-	Indigenous
~~.	Reviewed In: 2022	orthopaedic surgery			11135
105	IS/ISO 5832:2014	Implants for Surgery – Metallic	March, 2023	-	Identical under dual
		Materials Part 4 Cobalt-Chromium-	,		numbering
	Reviewed In: 2023	Molybdenum Casting Alloy			
	ISO 5832-4 : 2014				
106	IS/ISO 5832-1:2016	Implants for surgery - Metallic	March, 2023	-	Identical under single
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ı	L xgo 5000 1 0016			ı	1
		materials Part 1 Wrought stainless			numbering
	Reviewed In: 2023	steel			
10-	ISO 5832-1:2016				<del> </del>
107	IS/ISO 5832-2:2018	1 5 3	-	-	Identical under single
		materials Part 2 Unalloyed titanium			numbering
<u> </u>	ISO 5832-2 : 2018	(First Revision)			
108	IS/ISO 5832-5:2005	Implants for surgery - Metallic	July, 2019	-	Identical under single
	ISO 5832-5 : 2005	materials Part 5 wrought cobalt -			numbering
	Reviewed In: 2019	Chromium - Tungsten - Nickel			
	ISO 5832-5 : 2005	alloy			
109	IS/ISO 5832-7:2016		March, 2023	-	Identical under single
		materials Part 7 Forgeable and cold-			numbering
	Reviewed In: 2023	formed Cobalt-Chromium-Nickel-			
L	ISO 5832-7:2013	Molybdenum-Iron alloy			
110	IS 18261 (Part	Implants for Surgery - Metallic		-	Identical under dual
	9):2024	materials Part 9 Wrought High			numbering
	ISO 5832-9:2019	Nitrogen Stainless Steel First			
<b></b>	ISO 5832-9:2019	Revision			
111	IS/ISO	Implants for surgery - Metallic	March, 2023	-	Identical under single
1	5832-11:2014	materials Part 11 Wrought			numbering
		Titanium 6-Aluminium 7-Niobium			
	Reviewed In: 2023	alloy			
	ISO 5832-11 : 2014				<del> </del>
112	IS/ISO 5838-1:2013		March, 2023	-	Identical under single
	ISO 5838-1 : 2013	Skeletal Pins and Wires Part 1			numbering
	Reviewed In : 2023	General Requirements			
110	ISO 5838-1:2013		1 2022		T 1
113	IS 5847:1970	Specification for pin chuck for	March, 2022	-	Indigenous
114	Reviewed In: 2022 IS 5848:1996	introducing steinman pins	March, 2022		Identical under dual
114		Implants for surgery - Skeletal pins and wires - Steinmann skeletal pins	March, 2022	-	
	Reviewed In : 2022	- Dimensions (First Revision)			numbering
		- Difficusions (First Revision)			
115	ISO 5838-2 IS 6187:1971	Specification for saw, wire (Gigli	March, 2022		Indigenous
113	Reviewed In : 2022	Pattern)	Maich, 2022	_	margenous
116	IS 6233:2023	Bone Cutting Stille Liston Pattern			Indigenous
110	15 0255.2025	Forceps - Specification (First			indigenous
		Revision)			
117	IS 6252:2024	Scissors Bandage Listers Pattern -		-	Indigenous
**,	15 0232.202 1	Specification (First Revision)			margeneas
118	IS 6281:2023	Bone Awl (First Revision)		_	Indigenous
110	15 0201,2025				inaigeneus
119	IS 6289:2024	Orthopaedic Epiphyseal Staple -		-	Indigenous
		Specification (First Revision)			<i>y</i>
120	IS 6319:2024	Bone Clamp - Lowman Type -		-	Indigenous
		Specification (First Revision)			<i>y</i>
121	IS 6371:2023	Lane's, Lane-Fagge's and		-	Indigenous
		Fergusson's Patterns Bone Holding			
		Forceps - Specification ( First			
L		Revision)			
122	IS 18530 (Part	Implants for Surgery - Ceramic		-	Identical under dual
	1):2025	Materials Part 1 Ceramic Materials			numbering
	ISO 6474-1:2019	Based on High Purity Alumina			
	ISO 6474-1:2019	First Revision			
123	IS 18530 (Part	Implants for surgery Ceramic		-	Identical under dual
	2):2024	materials Part 2: Composite			numbering
	ISO 6474-2:2019	materials based on a high-purity			
	ISO 6474-2:2019	alumina matrix with zirconia			
		reinforcement (First Revision)			
1	I	1		1	1

124	IS 6484:2023	Fergusson's Pattern Orthopaedic		-	Indigenous
		Gouge Forceps - Specification First Revision			
125	IS 6485:2023	Angular Orthopaedic Gouge		-	Indigenous
		Forceps - Specification ( First			
<u></u>		Revision )			
126	IS 6486:2024	Lane's Pattern Orthopaedic Gouge		-	Indigenous
		Forceps - Specification (First Revision)			
127	IS 6501:2023	Stille Luer's Pattern Orthopaedic		_	Indigenous
		Gouge Forceps - Specification			2224-84224
		(First Revision)			
128	IS 6801 (Part	Orthopaedic instruments - Drive	February, 2021	-	Indigenous
	1):1999	connections Part 1 keys for use			
	ISO 8319-1	with screws with hexagon socket			
129	Reviewed In: 2021 IS 6801 (Part	heads (Second Revision) Specification for drive connections	February, 2023		Indigenous
129	2):1987	for orthopaedic instruments Part 2	reditially, 2025	-	margenous
	ISO 8319/2-1986	Screw drivers for single slot head			
	Reviewed In: 2023	screws, screws with cruciate slot			
		and cross-recessed head screws			
		(First Revision)			
130	IS 6975:1973	Specification for reamer,	July, 2024	-	Indigenous
121	Reviewed In: 2024	trochanteric, orthopedic			
131	IS 6976:1973	Specification for awl, kuntscher,	February, 2023	1	Indigenous
132	Reviewed In: 2023 IS 6982:1973	diamond pointed Specification for gauge for	February, 2023	To diameter	
132	Reviewed In : 2023	intramedullary nails	reditially, 2025	-	Indigenous
133	IS 7055:1973	Specification for drivers,	February, 2023	_	Indigenous
100	Reviewed In: 2023	kuntscher, nail, orthopaedic	100100013, 2020		maigenous
134	IS 7102:1973	Specification for screw, bone,	February, 2023	-	Indigenous
	Reviewed In: 2023	leinbach, medullary			
135	IS 7105 (Part	Specification for extractor for	February, 2023	1	Indigenous
	1):1973	kuntscher nail Part 1 handle type			
126	Reviewed In: 2023 IS 7105 (Part	Specification for autmotor for	March 2022		Indiannous
136	2):1986	Specification for extractor for kuntscher nail: Part 2 striker type	March, 2022	-	Indigenous
	Reviewed In: 2022	Runtscher han. I art 2 striker type			
137	IS 7106:1973	Specification for extractor, staple,	February, 2023	_	Indigenous
	Reviewed In: 2023	orthopaedic	, , , , , , , , , , , , , , , , , , ,		6
138	IS 7107:1973	Specification for punch, staple,	February, 2023	-	Indigenous
	Reviewed In: 2023	orthopaedic			
139	IS 7108:1973	Specification for hammer for	February, 2023	-	Indigenous
140	Reviewed In: 2023 IS 7109:1973	kuntscher nail extractor	Eahman 2022	<del> </del>	Indiana
140	Reviewed In : 2023	Specification for starter, staple, orthopaedic	February, 2023	-	Indigenous
141	IS 7109:2025	Orthopaedic Staple Starter -		_	Indigenous
* ' '	15 , 10 , 10 20	Specification (First Revision)			margonous
142	IS 7111:1973	Specification for inserter, staple,	February, 2023	-	Indigenous
	Reviewed In: 2023	orthopaedic	<u> </u>		
143	IS 7111:2025	Orthopaedic Staple Inserter -		-	Indigenous
	VO #200 #27	Specification (First Revision)			<b>.</b>
144	IS 7398:2024	Farabeuf Pattern Bone Holding		-	Indigenous
		Forceps - Specification (First Revision)			
145	IS 7435:1974	Revision)  Rongeur, Ruskin's Pattern	February, 2023	_	Indigenous
173	Reviewed In : 2023	Rongour, Ruskin s I aucin	1 Cordary, 2023	<u> </u>	margenous
146	IS 7442:1974	Forceps, Bone Cutting, Straight	February, 2023	-	Indigenous
	Reviewed In: 2023	and Angular, Liston's Pattern	<b>*</b> ·		
				1	

147	IS 7629:1975	Specification for bender, plate,	February, 2023	1 -	Indigenous
117	Reviewed In: 2023	orthopaedic	1 cordary, 2023		
148	IS 7650:1975 Reviewed In : 2023	Specification for drill, hand, bone, universal, micro and kirschner	February, 2023	-	Indigenous
149	IS 7817:1975 Reviewed In : 2023	Specification for impactor for hip prosthesis	February, 2023	- Indigenous	
150	IS 7818:1975 Reviewed In: 2023	Specification for broach, moore type, for hip prosthesis	February, 2023	-	Indigenous
151	IS 7819:2024	Nylon-Headed Orthopaedic Mallet		-	Indigenous
152	IS 7841:1975	- Specification (First Revision)  Specification for compression	February, 2023	-	Indigenous
153	Reviewed In : 2023 IS 7846:1975	plate, muller type Specification for extractor for Hip	February, 2023	-	Indigenous
154	Reviewed In : 2023 IS 8261 (Part 1):1976	Prosthesis Specification for pins and wires, skeletal, traction Part 1 kirschner	February, 2023	1	Indigenous
155	Reviewed In : 2023 IS 8261 (Part 2):1976	wires Specification for pins and wires, skeletal, traction Part 2 guide wires	February, 2023	1	Indigenous
156	Reviewed In : 2023 IS 8261 (Part 3):1976	Specification for pins and wires, skeletal, traction Part 3 pins and	February, 2023	1	Indigenous
157	Reviewed In: 2023 IS 8332:2024	wires, fixation and threaded Gigli Saw Handle - Specification (First Revision)		-	Indigenous
158	IS 8608:1977 Reviewed In : 2023	Specification for countersinks, pilot type, for orthopaedic use	February, 2023	-	Indigenous
159	IS 8641:2015 ISO 5833 : 2002	Implants for surgery - Acrylic resin cements (Third Revision)	December, 2025	- Indigenous	
160	Reviewed In : 2025 IS 8755:1977 Reviewed In : 2023	Method for testing biological compatibility of metals for surgical	December, 2023	-	Indigenous
161	IS 8922:1978	implants Specification for depth gauge for orthopaedic use	March, 2022	-	Indigenous
162	Reviewed In : 2022 IS 8926:2023	Bone Skid, Murphy Lane's Pattern		-	Indigenous
163	IS 9265:2023	- Specification (First Revision)  Clamp, Compression, Muller's  Pattern - Specification (First  Revision)		-	Indigenous
164	IS/ISO 9583:1993 ISO 9583 : 1993 Reviewed In : 2026 ISO 9583:1993	Implants for Surgery - Non- Destructive Testing - Liquid Penetrant Inspection of Metallic Surgical Implants	January, 2026	-	Identical under single numbering
165	IS/ISO 9584:2021	Implants for Surgery - Non- Destructive Testing - Radiographic Examination of Cast Metallic Surgical Implants		-	Identical under single numbering
166	IS 9829 (Part 1):1996 ISO 5835 Reviewed In : 2022 ISO 5835	Implants for surgery - Metal bone screws Part 1 with hexagonal drive connection, spherical under surface of head, asymmetrical thread - Dimensions (First Revision)	March, 2022	- Identical under dual numbering	
167	IS 9829 (Part 2):1996 ISO 9268 Reviewed In : 2022 ISO 9268	Implants for surgery - Metal bone screws Part 2 with conical under - Surface of head - Dimensions (First Revision)	March, 2022	-	Identical under dual numbering

# **Standards under Development**

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

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

	Drafts Standards in WC Stage		
SI. No.	Doc No.	Title	
1	MHD 2 (26809) Revision	Dynamic Compression Bone Plate Specification	
	of: IS 12088:1987		
2	MHD 2 (26810) Revision	Driver and Bender for Rush Intramedullary Pin Specification	
	of: IS 11953:1986		
3	MHD 2 (26811) Revision	Semb Pattern Bone Holding Forceps Specification First Revision	
	of: IS 11568:1986		
4	MHD 2 (26812) Revision	Stille Pattern Orthopaedic Gouges Specification First Revision	
	of: IS 5601:1970		
5	MHD 2 (26816) Revision	Bone Amputation Saw Blade Specification First Revision	
	of: IS 5590:1970		
6	MHD 2 (26818) Revision	Blount Type Blade Plate Specification First Revision	
	of: IS 5089:1969		
7	MHD 2 (26821) Revision	Rubber-Capped Mallet Specification First Revision	
	of: IS 5585:1970		
8	MHD 2 (28878)	Implants for surgery - Partial and total hip joint prostheses Part 2 articulating surfaces made of	
		metallic ceramic and plastics materials First Revision Amendment - 1	
9	MHD 2 (28891)	Implants for Surgery - Partial and Total Hip Joint Prostheses Part 13 Determination of Resistance	
		to Torque of Head Fixation of Stemmed Femoral Components Amendment - 1	

	Draft Standards Completed WC Stage			
SI. No.	Doc No.	Title		
1	MHD 2 (26401)	Pin Chuck for Introducing Steinman Pins Specification First Revision		
2	MHD 2 (26402)	Kuntscher Diamond Pointed Awl Specification First Revision		
3	MHD 2 (26437)	Extractor for Kuntscher Nail Specification Part 1 Handle Type First Revision		
4	MHD 2 (26442)	Extractor for Kuntscher Nail Specification Part 2 Striker Type First Revision		
5	MHD 2 (26444)	Orthopaedic Staple Extractor Specification First Revision		
6	MHD 2 (26446)	Hammer for Kuntscher Nail Extractor Specification First Revision		
7	MHD 2 (26447)	Orthopaedic Staple Punch Specification First Revision		
8	MHD 2 (26808)	Distraction Type Cervical Collar Specification		
9	MHD 2 (28420)	Implants for Surgery Determination of Impact Resistance of Ceramic Femoral Heads for Hip Joint		
		Prostheses		
10	MHD 2 (28421)	Implants for Surgery Mechanical Testing of Implantable Spinal Devices Fatigue Test Method for		
		Spinal Implant Assemblies Using an Anterior Support		
11	MHD 2 (28422)	Non-active Surgical Implants Implants for Osteosynthesis Particular Requirements		
12	MHD 2 (28423)	Implants for Surgery Test Solutions and Environmental Conditions for Static and Dynamic		
		Corrosion Tests on Implantable Materials and Medical Devices		
13	MHD 2 (28424)	Implants for Surgery Measurements of Open-circuit Potential to Assess Corrosion Behaviour of		
		Metallic Implantable Materials and Medical Devices Over Extended Time Periods		
14	MHD 2 (28482)	Implants for Surgery Wear of Total Intervertebral Spinal Disc Prostheses Part 1 Loading and		
		Displacement Parameters for Wear Testing and Corresponding Environmental Conditions for Test		
15	MHD 2 (28483)	Implants for Surgery Wear of Total Intervertebral Spinal Disc Prostheses Part 2 Nucleus		
		Replacements		

16	MHD 2 (28484)	Implants for Surgery Wear of Total Intervertebral Spinal Disc Prostheses Part 3 Impingement-
	(20704)	Wear Testing and Corresponding Environmental Conditions for Test of Lumbar Prostheses Under
		Adverse Kinematic Conditions
17	MHD 2 (28485)	Implants for Surgery Orthopaedic Joint Prosthesis Part 1 Procedure for Producing Parametric 3D
		Bone Models from CT Data of the Knee
18	MHD 2 (28486)	Implants for Surgery Metallic Materials Classification of Microstructures for AlphaBeta Titanium
		Alloy Bars
19	MHD 2 (28550)	Non-Active Surgical Implants General Requirements
20	MHD 2 (28708)	Implants for Surgery Pre-Clinical Mechanical Assessment of Spinal Implants and Particular
		Requirements Part 2 Spinal Intervertebral Body Fusion Devices
21	MHD 2 (28709)	Implants for Surgery Wear of Total Ankle-Joint Prostheses Loading and Displacement Parameters
		for Wear-Testing Machines with Load or Displacement Control and Corresponding Environmental
		Conditions for Test
22	MHD 2 (28869)	Implants for surgery - Hydroxyapatite Part 3 chemical analysis and characterization of
		crystallinity and phase purity Amendment - 1
23	MHD 2 (28899)	Implants for Surgery Metal Intramedullary Nailing Systems Part 1 Intramedullary Nails
24	MHD 2 (28900)	Implants for Surgery Metal Intramedullary Nailing Systems Part 2 Locking Components
25	MHD 2 (28901)	Implants for Surgery Metal Intramedullary Nailing Systems Part 3 Connection Devices and
		Reamer Diameter Measurements

	Finalized Draft Indian Standard		
SI. No.	Doc No.	Title	
1	MHD 2 (26417) Revision	Drivers for Kuntscher Nail Specification First Revision	
	of: IS 7055:1973		

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

Total Published Standards:135 Total Standards Under development:35

### **Aspect Wise Report**

Product: 116
Code of Practices: 2
Methods of Test: 36
Terminology: 4
Dimensions: 1
System Standard: 0
Safety Standard: 1
Others: 3

Service Specification: 0 Process Specification: 0 Unclassified: 1

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

SI. No.	IS No. & Year	Title
1	IS 10154:1982	Blade Plate Osteotomy Wainwright-hammond s Pattern
	Reviewed In: 2011	
2	IS 10159:1982	Nail Supracondylar Jewett s Pattern
	Reviewed In: 2011	
3	IS 11034:2019	Implants for surgery guidance on care and handling of orthopaedic implants Second Revision
	ISO 8828 : 2014	
	ISO 8828 : 2014	
4	IS 11088:1984	Guide for retrieval and analysis of metallic orthopaedic implants

	Reviewed In: 2017	
5	IS 11567 (Part 1):1986	Specification for holes and slots for metal bone plates Part 1 corresponding to screws with
	Reviewed In: 2022	asymmetrical thread and spherical under - Surfaces
6	IS 11567 (Part 3):1986	Specification for holes and slots in metal bone plates Part 3 corresponding to screws with
	Reviewed In: 2022	asymmetrical thread and conical under - Surfaces
7	IS 11567 (Part 4):1986	Specification for holes and slots in metal bone plates Part 4 corresponding to screws with
	Reviewed In: 2022	symmetrical thread and conical undersurfaces
8	IS 12165:1987	Basic Requirements for Orthopedic Joint Prostheses
	ISO 5839	
	Reviewed In: 2013	
9	IS 12375 (Part 3):1993	Implants for Surgery - Partial and Total Hip Joint Prostheses - Part 3 Determination of endurance
	ISO 7206-3	properties of stemmed femorel components without application of torsion
	Reviewed In: 2013	
10	IS 12375 (Part 5):1998	Implants for Surgery - Partial and Total Hip Joint Prostheses - Part 5 Determination of Resistance
	ISO 7206-5	to Static Load of Head and Neck Region of Stemmed Femoral Components
	Reviewed In: 2013	
11	IS 12375 (Part 7):1998	Implants for Surgery - Partial and Total Hip Joint Prostheses - Part 7 Endurance Performance of
	ISO 7206-7	Stemmed Femoral Components without Application of Torsion
	Reviewed In: 2013	
12	IS 12375 (Part 8):1998	Implants for Surgery - Partial and Total Hip Joint Prostheses - Part 8 Endurance Performance of
	ISO 7206-8	Stemmed Femoral Components with Application of torsion
1.2	Reviewed In : 2013	The Company of the Co
13	IS 12375 (Part 9):1998	Implants for surgery - Partial and total hip joint prostheses Part 9 Determination of resistance to
	ISO 7206-9	torque of head fixation of stemmed femoral components
14	Reviewed In : 2013 IS/ISO 12891-2:2014	Detained and analysis of associational and part 2 analysis of actained associational and
14	ISO 12891-2:2014	Retrieval and analysis of surgical implants Part 2 analysis of retrieved surgical implants
	ISO 12891-2 : 2014 ISO 12891-2 : 2014	
15	IS 14239:1995	Orthopaedic Drilling Instruments - Drill Bits Taps and Countersink Cutters
13	ISO 9714-1	Orthopacute Drinning instruments - Drin Bits Taps and Countersnik Cutters
	Reviewed In: 2016	
16	IS 14240:1995	Orthopaedic implants - General requirements for marking packaging and labelling
10	Reviewed In: 2016	Cruicputary implants Contraction for maximing puring and movining
17	IS/ISO 21536:2007	Non - Active surgical implants - Joint replacement implants - Specific requirements for knee -
	ISO 21536 : 2007	Joint replacement implants
	ISO 21536 : 2007	
18	IS 5090:1969	Blade Plate Moore Type
	Reviewed In: 2008	
19	IS 5170:1969	Bone Plate Sherman Type
	Reviewed In: 2008	
20	IS 5171:1969	Bone plate kessel osteotomy
	Reviewed In: 2011	
21	IS 5347 (Part 2):1993	Requirements for orthopaedic Implants Part 2 Wrought stainless steel
	ISO 5832-1	
	Reviewed In : 2018	
22	IS 5347 (Part 3):1996	Requirements for orthopaedic implants Part 3 Unalloyed titanium
	ISO 5832/2-1993	
22	Reviewed In : 2011	Demines and for each area die involunt. Deat A Wisson by the Co. 1 111 A 11 11
23	IS 5347 (Part 4):1996	Requirements for orthopaedic implants Part 4 Wrought titanium 6-aluminium 4- vanadium alloy
	ISO 5832/3-1990	
24	Reviewed In: 2011 IS 5347 (Part 5):2000	Requirements for Orthopaedic Implants - Part 5 Cobalt-chromium-molybdenum Casting Alloy
<i>2</i> 4	ISO 5832/4-1996	Requirements for Orthopacule Impiants - Fart 3 Coban-emonium-morybuchum Casting Alloy
	Reviewed In : 2016	
	IS 5347 (Part 6):1996	Requirements for orthopaedic implants Part 6 Wrought-cobalt-chromium tungsten-nickel alloy
25	10 2271 (1 all 0).1770	requirements for orthopactic implants fart of wrought-coolan-cirolinum tungsten-incker alloy
25	ISO 5832/5, 1003	
25	ISO 5832/5-1993 Reviewed In : 2011	
25	ISO 5832/5-1993 Reviewed In : 2011 IS 5347 (Part 7):2002	Requirements for Orthopaedic Implants - Part 7 Wrought Cobalt-Nickel-Chromium-Molybdenum

	Reviewed In: 2017	1
27	IS 5347 (Part 8):1997	Requirements for orthopaedic implants Part 8 Forgeable and cold-formed-cobalt-chromium-nickel-
	ISO 5832/7-1994	molybdenum-iron alloy
	Reviewed In: 2018	
28	IS 5347 (Part 9):1998	Requirements for orthopaedic implants Part 9 ceramic materials based on high purity alumina
	ISO 6474-1994	First Revision
	Reviewed In: 2019 ISO	
	6474-1994	
29	IS 5347 (Part 10):1987	Requirements for orthopaedic implants Part 10 ultra - High molecular weight polyethylene powder
	ISO 5834/1-1985	form
	Reviewed In: 2017 ISO	
	5834/1-1985	
30	IS 5347 (Part 11):1987	Requirements for orthopaedic implants Part 11 ultra - High molecular weight polyethylene
	ISO 5834/2-1985	moulded form
	Reviewed In: 2017 ISO	
	5834/2-1985	
31	IS 5347 (Part 12):1993	Requirements for orthopaedic implants Part 12 Wrought cobalt-nickel-chromium molybdenum
	ISO 5832-8	tungsten iron alloy
	Reviewed In: 2013	
32	IS 5347 (Part 13):1997	Requirements for orthopaedic implants Part 13 Wrought high nitrogen stainless steel
	ISO 5832-9	
	Reviewed In: 2013	
33	IS 5347 (Part 14):1997	Requirements for orthopaedic implants Part 14 Wrought titanium 5-aluminium 2 5-iron alloy
	ISO 5832-10	
	Reviewed In: 2013	
34	IS 5347 (Part 15):1997	Requirements for orthopaedic implants Part 15 Wrought titanium 6-aluminium 7-niobium alloy
	ISO 5832-11	
	Reviewed In: 2018	
35	IS 5347 (Part 16):2002	Requirements for Orthopaedic Implants - Part 16 Poly L-Lactide Resins and Fabricated Forms for
	ISO 13781	Surgical Implants - In Vitro Degradation Testing
	Reviewed In: 2018	
36	IS 5347 (Part 17):2002	Requirements for orthopedic implants Part 17 metallic materials - Unalloyed tantalum for surgical
	ISO 13782 : 1996	implant applications
	Reviewed In: 2018 ISO	
37	13782 IS 5347 (Part 18):2002	Requirements for orthopedic implants Part 18 ceramic materials based on yttria - Stabilized
37	ISO 13356	tetragonal zirconia Y - TZP
	Reviewed In: 2018 ISO	tetragonal zircoma 1 - 12F
	13356	
38	IS 5392:1969	Bone Plates Eggers Type
30	Reviewed In: 2011	Bone Flates Eggers Type
39	IS 5393:1969	Specification for screws bone
	Reviewed In: 2022	Specification for selecting cone
40	IS 5394:1969	Specification for prostheses hip
	Reviewed In: 2022	- produced in p
41	IS/ISO 5832-3:2016	Implants for surgery Metallic materials Part 3 Wrought Titanium 6 -Aluminium 4 -Vanadium alloy
	ISO 5832-3 : 2016	First Revision
	Reviewed In: 2021 ISO	
	5832-3 : 2016	
42	IS/ISO 5832-6:1997	Implants for surgery Metallic materials Part 6 Wrought Cobalt-Nickel-Chromium-Molybdenum
		alloy
	ISO 5832-6:1997	
43	IS/ISO 5832-8:1997	Implants for surgery - Metallic materials Part 8 wrought cobalt - Nickel - Chromium -
	ISO 5832-8 : 1997	Molybdenum - Tungsten - Iron alloy
	Reviewed In: 2019 ISO	
	5832-8 : 1997	
44	IS/ISO 5834-1:2005	Implants for surgery - Ultra - HighMolecular - Weight polyethylene Part 1 powder form
	ISO 5834-1 : 2005	
	Reviewed In: 2021 ISO	
I	I	I

	5834 : Part 1 : 2005	
45	IS/ISO 5834-2:2011	Implants for surgery - Ultra - HighMolecular - Weight polyethylene Part 2 moulded forms
	ISO 5834-2 : 2011	
	Reviewed In: 2021 ISO	
	5834 : Part 2 : 2011	
46	IS 5846:1970	Nails Bone Smith Petersen and Watson Jones Patterns
	Reviewed In: 2011	
47	IS 6785:1982	Plate Bone Wainwright Osteotomy
	Reviewed In: 2010	
48	IS 6787:1973	Plate Bone McLaughlin
	Reviewed In: 2008	
49	IS 6790:1973	Plate Bone Intertrochanteric Thornton Type
	Reviewed In: 2008	
50	IS 7110:1984	Specification for pins rush intramedullary First Revision
	ISO 5837-2	
	Reviewed In: 2022 ISO	
	5837-2	
51	IS 7701:1975	Plates Bone Spinal Meurig Williams
	Reviewed In: 2008	
52	IS 8261 (Part 4):1998	Pins and wires skeletal traction Part 4 material and mechanical requirements First Revision
	ISO 5838-1	
	Reviewed In: 2018	
53	IS 8326:1977	Starter Smith Peterson Nail Orthopedic
	Reviewed In: 2008	
54	IS 8609:1977	Nail Hip Jewett Type for Orthopedic Use
	Reviewed In: 2008	
55	IS 8921:1978	Augar-extractor Judet s Pattern
	Reviewed In: 2011	
56	IS 9829 (Part 3):1986	Metal bone screws Part 3 Screws with symmetrical thread conical under surfaces
	Reviewed In: 1997	
57	IS 9829 (Part 4):1986	Metal bone screws Part 4 Screws with asymmetrical thread conical under surfaces
	Reviewed In: 2013	•

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

SI. No.	IS No. & Year	Title
1	IS 10128:2023	Knowles Pin First Revision
2	IS 10155:2024	Lower Femoral Blade Plate - Specification First Revision
3	IS 10326:1982	Spreader Plaster Cast Henning s Pattern
	Reviewed In: 2021	
4	IS 10327:1982	Bender Plaster Bohler s Pattern
	Reviewed In: 2021	
5	IS 10338:1982	Specification for saw plaster hand
	Reviewed In: 2021	
6	IS 10349:1982	Rasp for Hip Prothesis Thompson s and Moore s Patterns
	Reviewed In: 2021	• •
7	IS 10727:2023	Nail Square Ulna - Specification First Revision
8	IS 10728:2023	Nail Square Radius - Specification First Revision
9	IS 10729:1983	Specification for nail set kuntscher
	Reviewed In: 2021	
10	IS 10730:1983	Osteotome Whitchurch Howell's Pattern
	Reviewed In: 2021	
11	IS 11568:1986	Forceps Bone Holding Semb s Pattern
	Reviewed In: 2022	
12	IS 11569:2023	Specification for Cervical Collar First Revision

1	1	
13	IS 11953:1986	Specification for driver and bender for rush intramedullary pin
	Reviewed In: 2022	
14	IS 12088:1987	Specification for bone plate dynamic compression
	Reviewed In: 2023	
15	IS 12172:1987	Specification for distraction cervical collar
	Reviewed In: 2023	
16	IS 12304:1987	Specification for Plastic Cervical Collar
	Reviewed In: 2023	
17	IS 12304:2024	Plastic Cervical Collar Specification First Revision
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