

BUREAU OF INDIAN STANDARDS

Program of Work

MED 14 : Cranes, Lifting Chains And Related Equipment

Scope: Standardisation of cranes, winches, lifting chains, sheaves suspension gears, hooks, swivels and shackles.

Liaison: **TC-111 (P):** *Round steel link chains, chain slings, components and accessories* **TC-111 SC-1 (P):** *Chains and chain slings* **TC-111 SC-3 (P):** *Components and accessories* **TC-96 (P):** *Cranes* **TC-96 SC-10 (P):** *Design principles and requirements* **TC-96 SC-2 (P):** *Terminology* **TC-96 SC-3 (P):** *Selection of ropes* **TC-96 SC-4 (P):** *Test methods* **TC-96 SC-5 (P):** *Use, operation and maintenance* **TC-96 SC-6 (P):** *Mobile cranes* **TC-96 SC-7 (P):** *Tower cranes* **TC-96 SC-8 (P):** *Jib cranes* **TC-96 SC-9 (P):** *Bridge and gantry cranes*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10131 : 1992 <i>Reviewed In : 2023</i> DIN 764	Link chain ends and chain bows for bucket elevators - Specification (First Revision)	January, 2023	1	Not Equivalent
2	IS/ISO 11031 : 2016 ISO 11031 ISO 11031	CRANES $\frac{1}{2}$ PRINCIPLES FOR SEISMICALLY RESISTANT DESIGN		-	Identical under single numbering
3	IS 11340 : 2020	Ratchet Lever Hoist — Specification (First Revision)		-	Indigenous
4	IS/ISO 12482 : 2014 ISO 12482:2014 ISO 12482:2014	Cranes " Monitoring for Crane Design Working Period		-	Identical under single numbering
5	IS 13058 : 1991 ISO 7592 <i>Reviewed In : 2020</i> ISO 7592:1983	Calibrated round steel link lifting chains - Guidelines for proper use and maintenance	October, 2020	-	Identical under dual numbering
6	IS 13156 : 1991 <i>Reviewed In : 2020</i>	Sheave pulley blocks for wire rope - Specification	October, 2020	-	Indigenous
7	IS 13308 : 1992 <i>Reviewed In : 2023</i> DIN 15063-1977	Lifting appliances - Sheaves - Technical supply condition	January, 2023	-	Not Equivalent
8	IS 13367 (Part 1) : 1992 <i>Reviewed In : 2023</i>	Safe use of cranes - Code of practice : Part 1 general	January, 2023	-	Indigenous
9	IS 13473 (Part 1) : 2015 ISO 4306-1 : 2007 <i>Reviewed In : 2020</i> ISO 4306-1:2007	Cranes - Vocabulary: Part 1 general	October, 2020	-	Identical under dual numbering
10	IS 13558 (Part 1) : 2018	Cranes - Control layout and characteristics: Part 1 general	February, 2023	-	Identical under dual numbering

	ISO 7752-1 : 2010 Reviewed In : 2023 ISO 7752-1 : 2010	principles (First Revision)			
11	IS 13558 (Part 2) : 2018 ISO 7752-2 : 2011 Reviewed In : 2023 ISO 7752-2:2011	Cranes - Control layout and characteristics: Part 2 basic arrangement and requirements for mobile cranes (First Revision)	February, 2023	-	Identical under dual numbering
12	IS 13558 (Part 3) : 2018 ISO 7752-3 : 2011 Reviewed In : 2023 ISO 7752-3:2013	Cranes - Control layout and characteristics: Part 3 tower cranes (First Revision)	February, 2023	-	Identical under dual numbering
13	IS 13558 (Part 4) : 1993 ISO 7752-4 Reviewed In : 2023 ISO 7752-4:1989	Cranes - Controls - Layout and characteristics: Part 4 jib cranes	February, 2023	-	Identical under dual numbering
14	IS 13558 (Part 5) : 2024 ISO 7752-5 : 2021 ISO 7752-5 : 2021	Cranes – Control Layout and Characteristics Part 5 Bridge and Gantry Crane (First Revision)		-	Identical under dual numbering
15	IS 13559 (Part 1) : 1993 ISO 9374-1 Reviewed In : 2023 ISO 9374-1:1989	Cranes - Information to be provided: Part 1 general	February, 2023	-	Identical under dual numbering
16	IS 13559 (Part 4) : 1992 ISO 3974-4 Reviewed In : 2023 ISO 3974-4:1989	Cranes - Information to be provided: Part 4 jib cranes	February, 2023	-	Identical under dual numbering
17	IS 13559 (Part 5) : 2023 ISO 9374-5 ISO 9374-5	Cranes – Information to be Provided Part 5 Overhead Travelling Cranes and Portal Bridge Cranes		-	Identical under dual numbering
18	IS 13572 (Part 1) : 2021 ISO 9928-1:2015 ISO 9928-1:2015	Cranes Crane operating manual Part 1: General		-	Identical under dual numbering
19	IS 13572 (Part 2) : 2018 ISO 9928-2 : 2014 Reviewed In : 2023 ISO 9928-2:2014	Cranes - Crane operating manual: Part 2 mobile cranes	November, 2023	-	Identical under dual numbering
20	IS 13583 (Part 1) : 1993 ISO 9926-1 Reviewed In : 2023 ISO 9926-1:1990	Cranes - Training of drivers: Part 1 general	February, 2023	-	Identical under dual numbering
21	IS 13583 (Part 3) : 2018 ISO 9926-3 : 2016 Reviewed In : 2023 ISO 9926-3:2016	Cranes - Training of operators: Part 3 tower cranes	November, 2023	-	Identical under dual numbering
22	IS 13834 (Part 1) : 2018 ISO 4301-1 : 2016 Reviewed In : 2023	Cranes - Classification: Part 1 general (First Revision)	November, 2023	-	Identical under dual numbering

	ISO 4301-1:2016				
23	IS 13834 (Part 2) : 2023 ISO 4301-2 : 2020 ISO 4301-2 : 2020	Cranes - Classification Part 2 Mobile Cranes (First Revision)		-	Identical under dual numbering
24	IS 13834 (Part 3) : 2023 ISO 4301-3 ISO 4301-3	Cranes - Classification Part 3 Tower Cranes (First revision)		-	Identical under dual numbering
25	IS 13834 (Part 4) : 1993 ISO 4301-4 Reviewed In : 2023 ISO 4301-4:1989	Cranes - Classification: Part 4 jib cranes	February, 2023	-	Identical under dual numbering
26	IS 13834 (Part 5) : 1993 ISO 4301-5 Reviewed In : 2023 ISO 4301-5:1991	Cranes - Classification: Part 5 overhead travelling and portal bridge cranes	February, 2023	-	Identical under dual numbering
27	IS 14467 : 2018 ISO 4302 : 2016 Reviewed In : 2023 ISO 4302:2016	Cranes - Wind load assessment (First Revision)	November, 2023	-	Identical under dual numbering
28	IS 14468 : 1997 ISO 4304 Reviewed In : 2023 ISO 4304:1987	Cranes other than mobile and floating cranes - General requirements for stability	February, 2023	-	Identical under dual numbering
29	IS 14469 : 2018 ISO 4305 : 2014 ISO 4305:2014	Mobile cranes - Determination of stability (First Revision)		-	Identical under dual numbering
30	IS 14471 : 1997 ISO 7363 Reviewed In : 2023 ISO 7363:1986	Cranes and lifting appliances - Technical characteristics and acceptance documents	February, 2023	-	Identical under dual numbering
31	IS 14473 (Part 1) : 2016 ISO 9927-1 : 2013 Reviewed In : 2021 ISO 9927-1	Cranes - Inspections: Part 1 general	March, 2021	-	Identical under dual numbering
32	IS 14473 (Part 3) : 2022 ISO 9927-3: 2019 ISO 9927-3: 2019	CRANES INSPECTIONS -- PART 3 TOWER CRANES		-	Identical under dual numbering
33	IS 14474 (Part 1) : 1997 ISO 11662-1 Reviewed In : 2023 ISO 11662-1:1995	Mobile cranes - Experimental determination of crane performance: Part 1 tipping loads and radii	February, 2023	-	Identical under dual numbering
34	IS 15191 : 2002 Reviewed In : 2023 ISO 7593 : 1986 and ISO 8539: 1986	Forged steel components for use with grade T (8) chain and chain slings - Specification	January, 2023	-	Not Equivalent
35	IS 15419 : 2004 Reviewed In : 2019	Jib cranes - Code of practice	April, 2019	-	Indigenous
36	IS/ISO 15442 : 2012 ISO 15442 : 2012 ISO 15442:2012	Cranes - Safety requirements for loader cranes		-	Identical under single numbering
37	IS 15560 : 2005 Reviewed In : 2020	Point hooks with shank up to 160 tonne specification	October, 2020	1	Not Equivalent

	ISO 2374:1983				
38	IS/ISO 16625 : 2013 ISO 16625:2013 ISO 16625:2013	CRANES AND HOISTS SELECTION OF WIRE ROPES DRUMS AND SHEAVES		-	Identical under single numbering
39	IS 16772 : 2018 ISO 16872 : 2015 Reviewed In : 2023 ISO 16872:2015	Round steel short link chains for lifting purposes - Fine tolerance hoist chains for hand operated chain hoists - Grade vh	February, 2023	-	Identical under dual numbering
40	IS 16773 : 2018 ISO 16877 : 2015 Reviewed In : 2023 ISO 16877:2015	Round steel short link chains for lifting purposes - Fine tolerance hoist chains for hand operated chain hoists - Grade th	February, 2023	-	Identical under dual numbering
41	IS 16856 : 2018 ISO 23813 : 2007 Reviewed In : 2023 ISO 23813:2007	Cranes - Training of appointed persons	November, 2023	-	Identical under dual numbering
42	IS 16857 : 2018 ISO 16715 : 2014 Reviewed In : 2023 ISO 16715:2014	Cranes - Hand signals used with cranes	November, 2023	-	Identical under dual numbering
43	IS 16858 : 2021 ISO 23853:2018 ISO 23853:2018	CRANES TRAINING OF SLINGERS AND SIGNALLERS		-	Identical under dual numbering
44	IS 16860 (Part 1) : 2018 ISO 7296-1 : 1991 Reviewed In : 2023 ISO 7296-1:1991	Cranes - Graphical symbols: Part 1 general	November, 2023	-	Identical under dual numbering
45	IS 16860 (Part 2) : 2021 ISO 7296-2:2020 ISO 7296-2:2020	CRANES GRAPHICAL SYMBOLS PART 2 MOBILE CRANES		-	Identical under dual numbering
46	IS 16860 (Part 3) : 2018 Reviewed In : 2023 ISO 7296-3:2006	Cranes - Graphical symbols: Part 3 tower cranes	November, 2023	-	Identical under dual numbering
47	IS 16865 : 2018 ISO 20332 : 2016 Reviewed In : 2023 ISO 20332:2016	Cranes - Proof of Competence of Steel Structures	November, 2023	-	Identical under dual numbering
48	IS 16866 : 2018 ISO 15513 : 2000 Reviewed In : 2023 ISO 15513:2000	Cranes - Competency requirements for crane drivers (Operators), slingers, signallers and assessors	November, 2023	-	Identical under dual numbering
49	IS/ISO 1834 : 1999 Reviewed In : 2019 ISO 1834 : 1999	Short link chain for lifting purposes - General conditions of acceptance	April, 2019	-	Identical under single numbering
50	IS/ISO 2415 : 2004 Reviewed In : 2019 ISO 2415 : 2004	Forged shackles for general lifting purposes - Dee shackles and bow shackles	April, 2019	1	Identical under single numbering
51	IS 2429 (Part 1) : 1987 Reviewed In : 2023	Specification for round steel short link chains (Electric Butt Welded), grade L(3): Part 1 Non - Calibrated load chain for lifting purposes (Third Revision)	January, 2023	-	Indigenous
52	IS 2759 : 1969 Reviewed In : 2022	Specification for higher tensile steel point hooks for use with wire rope thimbles	February, 2022	-	Indigenous

53	IS 2760 : 1980 Reviewed In : 2020 ISO/DIS 4778	Specification for steel chain slings (First Revision)	October, 2020	3	Not Equivalent
54	IS/ISO 3076 : 2012 ISO 3076 : 2012 Reviewed In : 2019 ISO 3076 : 2012	Round steel short link chains for general lifting purposes - Medium tolerance sling chains for chain slings - Grade 8 (First Revision)	April, 2019	-	Identical under single numbering
55	IS/ISO 3077 : 2001 Reviewed In : 2019 ISO 3077 : 2001	SHORT LINK CHAIN FOR LIFTING PURPOSES GRADE T (TYPES T, OAT AND DT), FINE- TOLERANCE HOIST CHAIN	April, 2019	-	Identical under single numbering
56	IS 3109 (Part 1) : 1982 Reviewed In : 2023	Specification for short link chain, grade M (4): Part 1 non - Calibrated load chain for lifting purposes (Second Revision)	January, 2023	1	Indigenous
57	IS 3109 (Part 1) : 2024	SHORT LINK CHAIN, GRADE M (4) " SPECIFICATION PART 1 NON-CALIBRATED LOAD CHAIN FOR LIFTING PURPOSES (Third Revision)		-	Indigenous
58	IS 3177 : 2020	Electric Overhead Travelling Crane and Gantry Crane for all Applications — Code of Practice (Third Revision)	-	-	Indigenous
59	IS 3822 : 2002 Reviewed In : 2023	Eye hooks for use with chains - Specification (Second Revision)	January, 2023	-	Indigenous
60	IS 3832 : 2005 Reviewed In : 2020 BS 3243:1990	Hand - Operated chain pulley block - Specification (Third Revision)	October, 2020	3	Not Equivalent
61	IS 3938 : 1983 Reviewed In : 2023	Specification for electric wire rope hoists (Second Revision)	January, 2023	2	Indigenous
62	IS 4164 : 1976 Reviewed In : 2020	Specification for Lifting `C' Hooks with Eye - Capacity up to 25 Tonnes	October, 2020	-	Indigenous
63	IS 4178 : 1967 Reviewed In : 2020	Specification for eyenuts with collars	October, 2020	-	Indigenous
64	IS 4190 : 1984 Reviewed In : 2020	Specification for eye bolts with collars (First Revision)	October, 2020	-	Indigenous
65	IS/ISO 4301-2 : 2022 ISO 4301-2:2020 ISO 4301-2:2020	Cranes Classification Part 2 Mobile Cranes (First Revision)		-	Identical under single numbering
66	IS/ISO 4306-2 : 2012 ISO 4306-2 : 2012 Reviewed In : 2019 iso 4306-2	Cranes - Vocabulary: Part 2 mobile cranes (Second Revision)	April, 2019	-	Identical under single numbering
67	IS/ISO 4306-3 : 2016 ISO 4306-3 : 2016 ISO 4306-3 : 2016	CRANES VOCABULARY PART 3 TOWER CRANES		-	Identical under dual numbering
68	IS/ISO 4309 : 2017 ISO 4309 : 2017 ISO 4309 : 2017	Cranes - Wire Ropes - Care and Maintenance, Inspection and Discard		-	Identical under single numbering
69	IS/ISO 4310 : 2009 ISO 4310 : 2009 Reviewed In : 2019 ISO 4310 : 2009	Cranes - Test code and procedures	April, 2019	-	Identical under single numbering
70	IS 4573 : 2020	Power Driven Mobile Cranes —		-	Indigenous

		Specification (Second Revision)			
71	IS 4594 : 1968 Reviewed In : 2020 BS 2452	Code of practice for design of portal and semi - Portal wharf cranes (Electrical)	October, 2020	-	Not Equivalent
72	IS 5604 : 1984 Reviewed In : 2020	Specification for hand - Operated universal gearless pulling and lifting machines (First Revision)	October, 2020	1	Indigenous
73	IS 5749 : 1970 Reviewed In : 2023 DIN 15402-1, DIN 15402-2 AND BS 3017	Specification for forged ramshorn hooks	January, 2023	1	Not Equivalent
74	IS 6217 : 1982 Reviewed In : 2018 ISO 3075-1:1980	Specification for short link chain, grade S (6), non - Calibrated for lifting purposes (First Revision)	March, 2018	-	Not Equivalent
75	IS 6296 : 1983 Reviewed In : 2018	Specification for short link chain grade S(6) calibrated for pulley blocks and other lifting appliances (First Revision)	March, 2018	-	Indigenous
76	IS 6498 : 1971 Reviewed In : 2020 DOC: BS 68/33324	Glossary of terms used in connection with pulley blocks	October, 2020	-	Not Equivalent
77	IS 6511 : 1997 ISO 2374 Reviewed In : 2023 ISO 2374:1983	Lifting appliances - Range of maximum capacities for basic models (First Revision)	February, 2023	-	Identical under dual numbering
78	IS 6521 (Part 1) : 1972 Reviewed In : 2020 BS 2799	Code of practice for design of tower cranes: Part 1 static and rail amounted	October, 2020	-	Not Equivalent
79	IS 6547 : 2015 Reviewed In : 2020 AS B273, AS CB2, HMA 400, ASME HST-1	Electric chain hoists - Specification (First Revision)	October, 2020	-	Not Equivalent
80	IS 6549 : 1972 Reviewed In : 2020 BS 3810 : Part 5 : 1971	Glossary of terms used in connection with lifting tackle	October, 2020	-	Not Equivalent
81	IS 7847 : 1975 Reviewed In : 2020 ISO 2141-1972	General characteristics of lifting hooks	October, 2020	-	Not Equivalent
82	IS 7865 : 1975 Reviewed In : 2020 ISO 2308:1971	General requirements of & tonne hooks for lifting ISO series 1 freight containers of up to 30 tonnes capacity	October, 2020	-	Not Equivalent
83	IS 807 : 2006 Reviewed In : 2020	Design, erection and testing (Structural Portion) of cranes and hoists - Code of practice (Second Revision)	October, 2020	2	Indigenous
84	IS 8324 : 1988 Reviewed In : 2019 ISO/DIS 3056	Code of practice for safe use and maintenance on non - Calibrated round steel link lifting chains and chain slings (First Revision)	April, 2019	1	Not Equivalent
85	IS/ISO 8686-1 : 2012 ISO 8686-1 : 2012	Cranes - Design principles for loads and load combinations: Part 1 general (First Revision)	April, 2019	-	Identical under single numbering

	Reviewed In : 2019 iso 8686-1				
86	IS/ISO 8686-2 : 2018 ISO 8686-2 : 2018 ISO 8686-2 : 2018	CRANES DESIGN PRINCIPLES FOR LOADS AND LOAD COMBINATIONS		-	Identical under single numbering
87	IS/ISO 8686-3 : 2018 ISO 8686-3 : 2018 ISO 8686-3 : 2018	CRANES DESIGN PRINCIPLES FOR LOADS AND LOAD COMBINATIONS PART 3 TOWER CRANES		-	Identical under single numbering
88	IS/ISO 8686-4 : 2005 ISO 8686-4 : 2005 Reviewed In : 2019 ISO 8686-4:2004	Cranes - Design principles for loads and load combinations: Part 4 jib cranes	April, 2019	-	Identical under dual numbering
89	IS/ISO 8686-5 : 2017 ISO 8686-5 : 2017 ISO 8686-5 : 2017	CRANES -- DESIGN PRINCIPLES FOR LOADS AND LOAD COMBINATIONS PART 5 OVERHEAD TRAVELLING AND PORTAL BRIDGE CRANES		-	Identical under single numbering
90	IS 9507 : 1979 Reviewed In : 2020	Specification for general purpose electric power driven winches for lifting and hauling	October, 2020	-	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
1	MED 14 (24553)	FORGED SHACKLES FOR GENERAL LIFTING PURPOSES DEE SHACKLES AND BOW SHACKLES First Revision
2	MED 14 (24686)	CRANES REQUIREMENTS FOR TEST LOADS

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	MED 14 (24111)	Ratchet Lever Hoist - Specification First Revision Amendment-1

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
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1	MED 14 (22105)	Mobile cranes - Determination of stability First Revision Amendment - 1
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Total Published Standards:86 Total Standards Under development:4

Aspect Wise Report

Product : 26
 Code of Practices : 26
 Methods of Test : 4
 Terminology : 8
 Dimensions : 1
 System Standard : 11
 Safety Standard : 4
 Others : 7
 Service Specification : 0
 Process Specification : 1
 Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 13473 (Part 2) : 1992	Cranes - Vocabulary Part 2 Mobile cranes
2	IS 13473 (Part 3) : 1993 Reviewed In : 2009	Cranes - Vocabulary Part 3 Tower cranes
3	IS 13870 (Part 1) : 1993 ISO 4308-1 Reviewed In : 2017 ISO 4308-1:1986	Cranes and lifting appliances - Selection of wire ropes Part 1 general
4	IS 13870 (Part 2) : 1993 ISO 4308-2 Reviewed In : 2017 ISO 4308-2:1986	Cranes and lifting appliances - Selection of wire ropes Part 2 mobile cranes - Coefficient of utilization
5	IS 14470 : 1997 ISO 4310 Reviewed In : 2013	Cranes - Test code and procedures
6	IS 14472 (Part 5) : 1997 ISO 9374-5 Reviewed In : 2018 ISO 9374-5:1991	Cranes - Information to be provided Part 5 Overhead travelling cranes and portal bridge cranes
7	IS 14475 (Part 1) : 1997 ISO 12482-1 Reviewed In : 2018 ISO 12482-1:1995	Cranes - Condition monitoring Part 1 general
8	IS 2429 (Part 2) : 1970 Reviewed In : 1990	Round steel short link chain electric butt welded Grade 30 Part 2 - Calibrated load chain for pulley block and other lifting appliances
9	IS 3109 (Part 2) : 1982	Short link chain Grade M 4 Part 2 Calibrated load chain for pulley blocks and other lifting appliances
10	IS 3813 : 1967	c Hooks For Use With Swivels
11	IS 3814 : 1967	Metal arc welded short link uncalibrated steel chain Grade 30 for lifting purposes
12	IS 3815 : 1969	Point Hooks with Shank for General Engineering Purposes
13	IS 4137 : 2015 Reviewed In : 2015	Heavy duty electric overhead travelling cranes including special service machines for use in steel work - Code of practice Second Revision
14	IS 4531 (Part 1) : 1988 Reviewed In : 2009	Swivels - Part 1 General Requirements
15	IS 4531 (Part 2) : 1988	Swivels - Part 2 Dimensions of Bowpiece

	Reviewed In : 2009	
16	IS 4531 (Part 3) : 1988 Reviewed In : 2009	Swivels - Part 3 Dimensions of Eye
17	IS 5532 (Part 1) : 1984	Glossary of terms for cranes Part 1 Type of cranes
18	IS 5532 (Part 2) : 1984	Glossary of terms for cranes Part 2 Parameters
19	IS 5532 (Part 3) : 1984	Glossary of terms for cranes Part 3 General concepts
20	IS 5532 (Part 4) : 1984	Glossary of terms for cranes Part 4 Components parts
21	IS 5537 : 1991 Reviewed In : 1996	Lashing Chain
22	IS 5616 : 1982	Short link chain for lifting purposes general conditions of acceptance
23	IS 5629 : 1970 Reviewed In : 1996	Mild Steel Forged Triangular Lifting Eyes
24	IS 5729 : 1970 Reviewed In : 1996	Treble-swivel Assembly for Ships Union Purchase
25	IS 6132 : 2003 Reviewed In : 2008	Forged Shackles for General Lifting Purposes - Dee Shackles and Bow Shackles
26	IS 6132 (Part 1) : 1971 Reviewed In : 2000	Shackles - Part I General Requirements
27	IS 6132 (Part 2) : 1972 Reviewed In : 2000	Shackles - Part II Dimensions of Dee Shackles
28	IS 6132 (Part 3) : 1972 Reviewed In : 2000	Shackles - Part III Dimensions of bow shackles
29	IS 6168 : 1971 Reviewed In : 1996	C Hooks with Eye for Marine Purposes
30	IS 6215 : 1982	Short Link Chain Grade t 8 Non-Calibrated for Lifting Purposes
31	IS 6216 : 1982	Short link chain Grade T 8 calibrated for pulley block and other lifting appliances
32	IS 6294 : 1971 Reviewed In : 2000	Point Hooks with Shank for Capacities 63 Tonnes to 160 Tonnes
33	IS 8610 : 1977 Reviewed In : 1991	Point Hooks with Shank Capacity Up to 25 Tonnes-Trapezoidal Section
34	IS/ISO 9373 : 1989 Reviewed In : 2020 ISO 9373 : 1989	Cranes and related equipment - Accuracy requirements for measuring parameters during testing

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10131 : 1992 Reviewed In : 2023 DIN 764	Link chain ends and chain bows for bucket elevators - Specification First Revision
2	IS 13156 : 1991 Reviewed In : 2020	Sheave pulley blocks for wire rope - Specification
3	IS 15191 : 2002 Reviewed In : 2023 ISO 7593 : 1986 and ISO 8539: 1986	Forged steel components for use with grade T 8 chain and chain slings - Specification
4	IS 15560 : 2005 Reviewed In : 2020 ISO 2374:1983	Point hooks with shank up to 160 tonne specification
5	IS 16772 : 2018 ISO 16872 : 2015 Reviewed In : 2023 ISO	Round steel short link chains for lifting purposes - Fine tolerance hoist chains for hand operated chain hoists - Grade vh

	16872:2015	
6	IS 16773 : 2018 ISO 16877 : 2015 Reviewed In : 2023 ISO 16877:2015	Round steel short link chains for lifting purposes - Fine tolerance hoist chains for hand operated chain hoists - Grade th
7	IS/ISO 2415 : 2004 Reviewed In : 2019 ISO 2415 : 2004	Forged shackles for general lifting purposes - Dee shackles and bow shackles
8	IS 2429 (Part 1) : 1987 Reviewed In : 2023	Specification for round steel short link chains Electric Butt Welded grade L 3 Part 1 Non - Calibrated load chain for lifting purposes Third Revision
9	IS 2759 : 1969 Reviewed In : 2022	Specification for higher tensile steel point hooks for use with wire rope thimbles
10	IS 2760 : 1980 Reviewed In : 2020 ISO/DIS 4778	Specification for steel chain slings First Revision
11	IS/ISO 3076 : 2012 ISO 3076 : 2012 Reviewed In : 2019 ISO 3076 : 2012	Round steel short link chains for general lifting purposes - Medium tolerance sling chains for chain slings - Grade 8 First Revision
12	IS/ISO 3077 : 2001 Reviewed In : 2019 ISO 3077 : 2001	SHORT LINK CHAIN FOR LIFTING PURPOSES GRADE T TYPES T OAT AND DT FINE-TOLERANCE HOIST CHAIN
13	IS 3109 (Part 1) : 2024	SHORT LINK CHAIN GRADE M 4 SPECIFICATION PART 1 NON-CALIBRATED LOAD CHAIN FOR LIFTING PURPOSES Third Revision
14	IS 3822 : 2002 Reviewed In : 2023	Eye hooks for use with chains - Specification Second Revision
15	IS 3832 : 2005 Reviewed In : 2020 BS 3243:1990	Hand - Operated chain pulley block - Specification Third Revision
16	IS 3938 : 1983 Reviewed In : 2023	Specification for electric wire rope hoists Second Revision
17	IS 4164 : 1976 Reviewed In : 2020	Specification for Lifting C Hooks with Eye - Capacity up to 25 Tonnes
18	IS 4178 : 1967 Reviewed In : 2020	Specification for eyenuts with collars
19	IS 4190 : 1984 Reviewed In : 2020	Specification for eye bolts with collars First Revision
20	IS 4573 : 2020	Power Driven Mobile Cranes Specification Second Revision
21	IS 5604 : 1984 Reviewed In : 2020	Specification for hand - Operated universal gearless pulling and lifting machines First Revision
22	IS 5749 : 1970 Reviewed In : 2023 DIN 15402-1, DIN 15402-2 AND BS 3017	Specification for forged ramshorn hooks
23	IS 6217 : 1982 Reviewed In : 2018 ISO 3075-1:1980	Specification for short link chain grade S 6 non - Calibrated for lifting purposes First Revision
24	IS 6296 : 1983 Reviewed In : 2018	Specification for short link chain grade S 6 calibrated for pulley blocks and other lifting appliances First Revision
25	IS 6547 : 2015 Reviewed In : 2020 AS B273, AS CB2, HMA 400, ASME HST-1	Electric chain hoists - Specification First Revision
26	IS 9507 : 1979 Reviewed In : 2020	Specification for general purpose electric power driven winches for lifting and hauling

