

BUREAU OF INDIAN STANDARDS

Program of Work

MED 10 : Wire Ropes And Wire Products

Scope: a) Formulation of standards on wire ropes and standards for strands for different purposes; wire products, wire ropes and fittings. b) Co-ordination of work with ISO/TC 82 Mining and ISO/TC 105 Wire ropes.

Liaison: **TC-105 (O): Steel wire ropes**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10887 : 2001 Reviewed In : 2022	Steel wire ropes for winches and ropeways used in forestry and agriculture - Specification (First Revision)	February, 2022	-	Indigenous
2	IS 10891 (Part 1) : 2001 Reviewed In : 2022	Steel wire ropes for aerial ropeways - Specification: Part 1 haulage ropes (First Revision)	February, 2022	-	Indigenous
3	IS 10891 (Part 2) : 2018 Reviewed In : 2023	Specification for steel wire ropes for aerial ropeways: Part 2 track ropes	March, 2023	-	Indigenous
4	IS 10942 : 2000 Reviewed In : 2021	Ferrule - Specification (First Revision)	February, 2021	1	Indigenous
5	IS 12735 : 1994 ISO 8792 Reviewed In : 2022 ISO 8792:1986	Wire rope slings - Safety criteria and inspection procedures for use (First Revision)	June, 2022	-	Not Equivalent
6	IS 12776 : 2002 Reviewed In : 2022	Galvanized strand for earthing - Specification (First Revision)	February, 2022	3	Indigenous
7	IS 13902 (Part 1) : 2022	SOCKETS FOR WIRE ROPES FOR GENERAL PURPOSES PART 1 GENERAL CHARACTERISTICS AND CONDITIONS OF ACCEPTANCE First Revision		-	Indigenous
8	IS 13902 (Part 2) : 2022	SOCKETS FOR WIRE ROPES FOR GENERAL PURPOSES PART 2 SPECIAL REQUIREMENTS FOR SOCKETS PRODUCED BY FORGING OR MACHINED FROM THE SOLID First Revision		-	Indigenous
9	IS 13917 : 2003 ISO 3154 Reviewed In : 2019 Reaffirmed but not	Stranded wire ropes for mine hoisting - Technical delivery requirements (First Revision)	March, 2019	2	Not Equivalent

	taken up for revision ISO 3154:1988				
10	IS 16013 : 2018 Reviewed In : 2023	Welded wire gabions (Metallic - Coated Or Metallic - Coated With PVC Coating) - Specification (First Revision)	May, 2023	-	Indigenous
11	IS 16014 : 2024	MECHANICALLY WOVEN DOUBLE-TWISTED HEXAGONAL WIRE MESH GABIONS REVET MATTRESSES ROCK FALL NETTING AND OTHER PRODUCTS FOR CIVIL ENGINEERING PURPOSES GALVANIZED STEEL WIRE OR GALVANIZED STEEL WIRE WITH POLYMER COATING SPECIFICATION (Second Revision)		-	Indigenous
12	IS 16014 : 2018 Reviewed In : 2023	Mechanically woven, double - Twisted, hexagonal wire mesh gabions, revet mattresses, rock fall netting and other products for civil engineering purposes (Galvanized Steel Wire Or Galvanized Steel Wire With Polymer Coating) - Specification (First Revision)	December, 2023	-	Indigenous
13	IS/ISO 17745 : 2016 ISO 17745 : 2016 ISO 17745	Steel Wire Ring Net Panels â€” Definitions and Specifications		-	Identical under single numbering
14	IS/ISO 17746 : 2016 ISO 17746 : 2016 ISO 17746	Steel Wire Ring Net Panels â€” Definitions and Specifications		-	Identical under single numbering
15	IS 18532 : 2024	ROUND STEEL WIRE ROPE USED AS BALANCE ROPES IN MINES SPECIFICATION		-	Indigenous
16	IS 1855 : 2022	Stranded steel wire ropes for winding and man - Riding haulages in mines - Specification Third Revision		-	Indigenous
17	IS 1856 : 2021	Steel wire ropes for haulage purposes - Specification Fourth Revision		-	Indigenous
18	IS 18281 : 2023	Electromagnetic Examination of Ferromagnetic Steel Wire Rope Used in Mines — Code of Practice		-	Indigenous
19	IS 2140 : 2022	SPECIFICATION FOR STRANDED GALVANIZED STEEL WIRE FOR FENCING (Second Revision of IS 2140)		-	Indigenous
20	IS 2141 : 2000 Reviewed In : 2021	Hot dip galvanized stay strand - Specification (Fourth Revision)	February, 2021	1	Indigenous
21	IS 2265 : 2009 Reviewed In : 2020	Specification for galvanized steel wire strand for signaling purposes (First Revision)	September, 2020	-	Indigenous
22	IS 2266 : 2019 Reviewed In : 2024	Steel wire ropes for general engineering purpose - Specification (Fifth Revision)	March, 2024	2	Indigenous
23	IS 2266 : 2024	STEEL WIRE ROPES FOR		-	Indigenous

		GENERAL ENGINEERING PURPOSE - SPECIFICATION (Sixth Revision)			
24	IS 2315 : 2023	SPECIFICATION FOR THIMBLES FOR WIRE ROPES Second Revision of IS 2315		-	Indigenous
25	IS 2361 : 2002 Reviewed In : 2022	Bulldog grips - Specification (Third Revision)	February, 2022	-	Indigenous
26	IS 2363 : 2022	GLOSSARY OF TERMS RELATING TO WIRE ROPES Second Revision		-	Indigenous
27	IS 2365 : 2018 Reviewed In : 2023 ISO 4344: 2022	Steel wire suspension ropes for lifts, elevators and hoists - Specification (Second Revision)	December, 2023	1	Identical under dual numbering
28	IS 2365 : 2024 ISO 4344: 2022 ISO 4344: 2022	STEEL WIRE ROPES FOR LIFTS - MINIMUM REQUIREMENTS (Third revision)		-	Identical under dual numbering
29	IS/ISO 2408 : 2017 2408 2408	Steel wire ropes Requirements		-	Identical under single numbering
30	IS 2485 : 2022	SPECIFICATION FOR DROP FORGED SOCKETS FOR WIRE ROPES FOR GENERAL ENGINEERING PURPOSES Second Revision		-	Indigenous
31	IS 2581 : 2002 Reviewed In : 2022	Round strand galvanized steel wire ropes for shipping purposes - Specification (Fourth Revision)	February, 2022	-	Indigenous
32	IS 2721 : 2003 Reviewed In : 2024	Galvanized steel chain link fence fabric - Specification (Second Revision)	March, 2024	-	Indigenous
33	IS 2762 : 2009 Reviewed In : 2020	Wire rope slings and sling legs - Specification (Second Revision)	September, 2020	-	Indigenous
34	IS 278 : 2009 Reviewed In : 2020	Galvanized steel barbed wire for fencing - Specification (Fourth Revision)	September, 2020	-	Indigenous
35	IS 3121 : 2023	SPECIFICATION FOR RIGGING SCREWS AND STRETCHING SCREWS (Second Revision of IS 3121)		-	Indigenous
36	IS/ISO 3155 : 1976 ISO 3155 : 1976 Reviewed In : 2021	Stranded wire ropes for mine hoisting - Fiber components - Characteristics and tests	July, 2021	-	Indigenous
37	IS/ISO 3156 : 1976 ISO 3156 : 1976 Reviewed In : 2021 ISO 3156 : 1976	Stranded wire ropes for mine hoisting - Impregnating compounds, lubricants and service dressings - Characteristics and tests	July, 2021	-	Identical under single numbering
38	IS 3374 : 2013 Reviewed In : 2019 Reaffirmed but not taken up for revision ISO 2020-1:1997	Preformed steel wire ropes for aircraft control (Second Revision)	March, 2019	-	Not Equivalent
39	IS 3459 : 2004 Reviewed In : 2020	Small wire ropes - Specification (Second Revision)	September, 2020	-	Indigenous
40	IS 3623 : 2024	GUIDE AND RUBBING ROPES "â€" SPECIFICATION (Second Revision)		-	Indigenous

41	IS 3626 : 2024	Locked Coil Winding Ropes â€” Specification (Third Revision)		-	Indigenous
42	IS 3626 : 2001 Reviewed In : 2021	Locked coil winding ropes - Specification (Second Revision)	February, 2021	-	Indigenous
43	IS 3937 (Part 1) : 2022	RECOMMENDATIONS FOR SOCKETING OF WIRE ROPES - PART 1 SOCKETING WITH ZINC Second Revision		-	Indigenous
44	IS 3937 (Part 2) : 2022	RECOMMENDATIONS FOR SOCKETING OF WIRE ROPES - PART 2 SOCKETING WITH WHITE METAL Second Revision		-	Indigenous
45	IS 3937 (Part 3) : 2022	RECOMMENDATIONS FOR SOCKETING OF WIRE ROPES - PART 3 SOCKETING WITH RESINS First Revision		-	Indigenous
46	IS 3973 : 2022	CODE OF PRACTICE FOR THE SELECTION INSTALLATION AND MAINTENANCE OF WIRE ROPES Second Revision		-	Indigenous
47	IS 4521 : 2024	Wire Ropes Used in Oil Wells and Oil Well Drilling and Other Applications of Petroleum and Natural Gas Industries - Specification (Third Revision)		-	Indigenous
48	IS 4521 : 2001 Reviewed In : 2022	Wire ropes used in oil wells and oil well drilling - Specification (Second Revision)	February, 2022	-	Indigenous
49	IS 4948 : 2020	Welded Steel Wire Fabric for General Use - Specification (Third Revision)	-	1	Indigenous
50	IS 5245 (Part 1) : 2022	METHODS FOR SPLICING OF WIRE ROPES PART I HAND SPLICING OF WIRE ROPES First Revision		-	Indigenous
51	IS 5245 (Part 2) : 2013 Reviewed In : 2024	Methods for splicing of wire ropes: Part 2 wire rope sling legs with ferrule - Secured eye terminal (First Revision)	March, 2024	-	Indigenous
52	IS 5836 : 1977 Reviewed In : 2022	Specification for inner wire, ropes for automobile control cables (First Revision)	February, 2022	-	Indigenous
53	IS 6594 : 2018 Reviewed In : 2023	Technical supply conditions for steel wire ropes and strands (Third Revision)	July, 2023	1	Indigenous
54	IS 6594 : 2024	TECHNICAL SUPPLY CONDITIONS FOR STEEL WIRE ROPES AND STRANDS (Fourth Revision)		-	Indigenous
55	IS 9282 : 2021	Wire Ropes and Strands for Suspension Bridges - Specification (Second Revision)		-	Indigenous
56	IS 9282 : 2024	Wire Ropes and Strands for General Structural Applications Including Cable Supported Bridges - Specification (third 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	MED 10 (25710) Revision of: IS 1855:2022	STRANDED STEEL WIRE ROPES FOR WINDING AND MAN-RIDING HAULAGES IN MINES - SPECIFICATION Fourth Revision of IS 1855

Total Published Standards:47 Total Standards Under development:1

Aspect Wise Report

Product : 35
Code of Practices : 11
Methods of Test : 3
Terminology : 0
Dimensions : 0
System Standard : 0
Safety Standard : 0
Others : 0
Service Specification : 0
Process Specification : 0
Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 12694 : 1993 IEC 8369	Large Diameter Steel Wire Ropes
2	IS 13869 : 1993	High Breaking Load Steel Wire Ropes s
3	IS 13902 (Part 3) : 1993 ISO 3189-3	Sockets for wire ropes for general purposes Part 3 special requirements for sockets produced by casting

	Reviewed In : 2022 ISO 3189-3:1985	
4	IS 2352 : 1963	Procedure for basic climatic and durability tests for optical instruments
5	IS 2758 : 1969 Reviewed In : 2013	mild steel point hooks for use with wire rope thimbles
6	IS 4198 : 1967 Reviewed In : 1991	Emulsion Spraying Machine For Roads
7	IS 4230 : 1967 Reviewed In : 1991	Lock Lever Tumbler Type
8	IS 4507 : 1978 Reviewed In : 2001	Yacht Ropes
9	IS 4734 : 1968	Short needle bars for sewing machines household purposes
10	IS 5202 : 1969	Flat Hoisting Wire Ropes Used in Mines
11	IS 5203 : 1969 Reviewed In : 1996	Flat Balancing Wire Ropes Used in Mines

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10887 : 2001 Reviewed In : 2022	Steel wire ropes for winches and ropeways used in forestry and agriculture - Specification First Revision
2	IS 10891 (Part 1) : 2001 Reviewed In : 2022	Steel wire ropes for aerial ropeways - Specification Part 1 haulage ropes First Revision
3	IS 10891 (Part 2) : 2018 Reviewed In : 2023	Specification for steel wire ropes for aerial ropeways Part 2 track ropes
4	IS 10942 : 2000 Reviewed In : 2021	Ferrule - Specification First Revision
5	IS 12776 : 2002 Reviewed In : 2022	Galvanized strand for earthing - Specification First Revision
6	IS 16013 : 2018 Reviewed In : 2023	Welded wire gabions Metallic - Coated Or Metallic - Coated With PVC Coating - Specification First Revision
7	IS 16014 : 2024	MECHANICALLY WOVEN DOUBLE-TWISTED HEXAGONAL WIRE MESH GABIONS REVET MATTRESSES ROCK FALL NETTING AND OTHER PRODUCTS FOR CIVIL ENGINEERING PURPOSES GALVANIZED STEEL WIRE OR GALVANIZED STEEL WIRE WITH POLYMER COATING SPECIFICATION Second Revision
8	IS/ISO 17745 : 2016 ISO 17745 : 2016 ISO 17745	Steel Wire Ring Net Panels Definitions and Specifications
9	IS/ISO 17746 : 2016 ISO 17746 : 2016 ISO 17746	Steel Wire Ring Net Panels Definitions and Specifications
10	IS 18532 : 2024	ROUND STEEL WIRE ROPE USED AS BALANCE ROPES IN MINES SPECIFICATION
11	IS 1855 : 2022	Stranded steel wire ropes for winding and man - Riding haulages in mines - Specification Third Revision
12	IS 1856 : 2021 ISO 10552:2014	Steel wire ropes for haulage purposes - Specification Fourth Revision
13	IS 2140 : 2022 ISO 17664-2:2021	SPECIFICATION FOR STRANDED GALVANIZED STEEL WIRE FOR FENCING Second Revision of IS 2140
14	IS 2141 : 2000 Reviewed In : 2021	Hot dip galvanized stay strand - Specification Fourth Revision
15	IS 2265 : 2009 Reviewed In : 2020	Specification for galvanized steel wire strand for signaling purposes First Revision
16	IS 2266 : 2024	STEEL WIRE ROPES FOR GENERAL ENGINEERING PURPOSE - SPECIFICATION Sixth

		Revision
17	IS 2315 : 2023	SPECIFICATION FOR THIMBLES FOR WIRE ROPES Second Revision of IS 2315
18	IS 2361 : 2002 Reviewed In : 2022	Bulldog grips - Specification Third Revision
19	IS 2365 : 2024 ISO 4344: 2022	STEEL WIRE ROPES FOR LIFTS - MINIMUM REQUIREMENTS Third revision
20	IS/ISO 2408 : 2017 2408 ISO 20957-6	Steel wire ropes Requirements
21	IS 2485 : 2022 ISO 10079-1:2022	SPECIFICATION FOR DROP FORGED SOCKETS FOR WIRE ROPES FOR GENERAL ENGINEERING PURPOSES Second Revision
22	IS 2581 : 2002 Reviewed In : 2022	Round strand galvanized steel wire ropes for shipping purposes - Specification Fourth Revision
23	IS 2721 : 2003 Reviewed In : 2024	Galvanized steel chain link fence fabric - Specification Second Revision
24	IS 2762 : 2009 Reviewed In : 2020	Wire rope slings and sling legs - Specification Second Revision
25	IS 278 : 2009 Reviewed In : 2020	Galvanized steel barbed wire for fencing - Specification Fourth Revision
26	IS 3121 : 2023	SPECIFICATION FOR RIGGING SCREWS AND STRETCHING SCREWS Second Revision of IS 3121
27	IS 3374 : 2013 Reviewed In : 2019 Reaffirmed but not taken up for revision ISO 2020-1:1997	Preformed steel wire ropes for aircraft control Second Revision
28	IS 3459 : 2004 Reviewed In : 2020	Small wire ropes - Specification Second Revision
29	IS 3623 : 2024	GUIDE AND RUBBING ROPES SPECIFICATION Second Revision
30	IS 3626 : 2024	Locked Coil Winding Ropes Specification Third Revision
31	IS 4521 : 2024	Wire Ropes Used in Oil Wells and Oil Well Drilling and Other Applications of Petroleum and Natural Gas Industries - Specification Third Revision
32	IS 4948 : 2020	Welded Steel Wire Fabric for General Use - Specification Third Revision
33	IS 5836 : 1977 Reviewed In : 2022	Specification for inner wire ropes for automobile control cables First Revision
34	IS 6594 : 2024	TECHNICAL SUPPLY CONDITIONS FOR STEEL WIRE ROPES AND STRANDS Fourth Revision
35	IS 9282 : 2024	Wire Ropes and Strands for General Structural Applications Including Cable Supported Bridges - Specification third revision