

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 <i>Reviewed In : 2022</i>	Steel wire ropes for winches and ropeways used in forestry and agriculture - Specification (First Revision)	February, 2022	-	Indigenous
2	IS 10891 (Part 2):2025	STEEL WIRE ROPES FOR AERIAL ROPEWAYS SPECIFICATION PART 2 TRACK ROPES [Second Revision of IS 10891 (Part 2)]		-	Indigenous
3	IS 10891 (Part 1):2025	STEEL WIRE ROPES FOR AERIAL ROPEWAYS - SPECIFICATION PART 1 HAULING AND CARRYING HAULING ROPE (Second Revision)		-	Indigenous
4	IS 10891 (Part 2):2018 <i>Reviewed In : 2023</i>	Specification for steel wire ropes for aerial ropeways: Part 2 track ropes	March, 2023	-	Indigenous
5	IS 10942:2000	Ferrule - Specification (First Revision)	February, 2021	1	Indigenous
6	IS 12735:1994 ISO 8792 <i>Reviewed In : 2022</i> <i>ISO 8792:1986</i>	Wire rope slings - Safety criteria and inspection procedures for use (First Revision)	June, 2022	-	Identical under single numbering
7	IS 12776:2002 <i>Reviewed In : 2022</i>	Galvanized strand for earthing - Specification (First Revision)	February, 2022	3	Indigenous
8	IS 13902 (Part 1):2022	SOCKETS FOR WIRE ROPES FOR GENERAL PURPOSES PART 1 GENERAL CHARACTERISTICS AND CONDITIONS OF ACCEPTANCE First Revision		-	Indigenous
9	IS 13902 (Part 2):2022	SOCKETS FOR WIRE ROPES FOR GENERAL PURPOSES PART 2 SPECIAL REQUIREMENTS FOR		-	Indigenous

		SOCKETS PRODUCED BY FORGING OR MACHINED FROM THE SOLID First Revision			
10	IS 13917:2003 ISO 3154 Reviewed In : 2019 Reaffirmed but not taken up for revision	Stranded wire ropes for mine hoisting - Technical delivery requirements (First Revision)	March, 2019	2	Indigenous
11	IS 16013:2018 Reviewed In : 2023	Welded wire gabions (Metallic - Coated Or Metallic - Coated With PVC Coating) - Specification (First Revision)	May, 2023	-	Indigenous
12	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
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		1	Identical under single numbering
15	IS 18532:2024	ROUND STEEL WIRE ROPE USED AS BALANCE ROPES IN MINES SPECIFICATION		-	Indigenous
16	IS 1855:2024	STRANDED STEEL WIRE ROPES FOR WINDING AND MAN-RIDING HAULAGES IN MINES - SPECIFICATION (Fourth 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 19363:2025	METALLIC OR POLYMER COATED WELDED WIRE MESH FENCING 1/2 SPECIFICATION		-	Indigenous
20	IS 2140:2022	SPECIFICATION FOR STRANDED GALVANIZED STEEL WIRE FOR FENCING (Second Revision of IS 2140)		-	Indigenous
21	IS 2141:2000	Hot dip galvanized stay strand - Specification (Fourth Revision)	February, 2021	1	Indigenous
22	IS 2265:2009 Reviewed In : 2020	Specification for galvanized steel wire strand for signaling purposes	September, 2020	-	Indigenous

		(First Revision)			
23	IS 2266:2024	STEEL WIRE ROPES FOR GENERAL ENGINEERING PURPOSE - SPECIFICATION (Sixth Revision)		-	Indigenous
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 2365:2024 ISO 4344: 2022 ISO 4344: 2022	STEEL WIRE ROPES FOR LIFTS - MINIMUM REQUIREMENTS (Third revision)		-	Identical under dual numbering
28	IS/ISO 2408:2017 2408 2408	Steel wire ropes Requirements		-	Identical under single numbering
29	IS 2485:2022	SPECIFICATION FOR DROP FORGED SOCKETS FOR WIRE ROPES FOR GENERAL ENGINEERING PURPOSES Second Revision		-	Indigenous
30	IS 2581:2002 Reviewed In : 2022	Round strand galvanized steel wire ropes for shipping purposes - Specification (Fourth Revision)	February, 2022	-	Indigenous
31	IS 2721:2003 Reviewed In : 2024	Galvanized steel chain link fence fabric - Specification (Second Revision)	March, 2024	-	Indigenous
32	IS 2721:2025	GALVANIZED POLY CHLORIDE (PVC), POLYOLEFIN AND OTHER POLYMER - COATED STEEL CHAIN LINK FENCE FABRIC — SPECIFICATION (Third Revision of IS 2721)		-	Indigenous
33	IS 2762:2009	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	Preformed steel wire ropes for aircraft control (Second Revision)	March, 2019	-	Indigenous

39	IS 3459:2004	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 3626:2025	LOCKED COIL WINDING ROPES SPECIFICATION (Fourth Revision of IS 3626)		-	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 4948:2020	Welded Steel Wire Fabric for General Use - Specification (Third Revision)	-	1	Indigenous
49	IS 5245 (Part 1):2022	METHODS FOR SPLICING OF WIRE ROPES PART I HAND SPLICING OF WIRE ROPES First Revision		-	Indigenous
50	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
51	IS 5836:1977 Reviewed In : 2022	Specification for inner wire, ropes for automobile control cables (First Revision)	February, 2022	-	Indigenous
52	IS 6594:2024	TECHNICAL SUPPLY CONDITIONS FOR STEEL WIRE ROPES AND STRANDS (Fourth Revision)		-	Indigenous
53	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
No Records Found		
Preliminary Draft Standards		
SI. No.	Doc No.	Title
No Records Found		
Drafts Standards in WC Stage		
SI. No.	Doc No.	Title
No Records Found		
Draft Standards Completed WC Stage		
SI. No.	Doc No.	Title
No Records Found		
Finalized Draft Indian Standard		
SI. No.	Doc No.	Title
1	MED 10 (33165)	Specification for galvanized steel wire strand for signaling purposes First Revision
Finalized Draft Indian Standards under Print		
SI. No.	Doc No.	Title
1	MED 10 (28155) Amendment of: IS 2721:2003	GALVANIZED POLY CHLORIDE PVC POLYOLEFIN AND OTHER POLYMER - COATED STEEL CHAIN LINK FENCE FABRIC SPECIFICATION Third Revision of IS 2721
2	MED 10 (28204) Amendment of: IS 10891:2018	STEEL WIRE ROPES FOR AERIAL ROPEWAYS SPECIFICATION PART 2 TRACK ROPES Second Revision of IS 10891 Part 2
3	MED 10 (28320) Amendment of: IS 3626:2024	LOCKED COIL WINDING ROPES SPECIFICATION Fourth Revision of IS 3626
4	MED 10 (33168)	GALVANIZED STEEL BARBED WIRE GENERAL GRADE amp HIGH TENSILE GRADE FOR FENCING SPECIFICATION
5	MED 10 (33244)	Steel wire ropes Determination of the actual modulus of elasticity
6	MED 10 (33245)	STEEL WIRE ROPES DETERMINATION OF THE TRANSVERS RIGIDITY OF STEEL WIRE ROPES UNDER NO AXIAL LOAD CONDITION
7	MED 10 (33246)	STEEL WIRE ROPES DETERMINATION OF ROTATIONAL PROPERTIES

Total Published Standards:47 Total Standards Under development:8
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Aspect Wise Report
Product : 36
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

Sl. 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 Reviewed In : 2022 ISO 3189-3:1985	Sockets for wire ropes for general purposes Part 3 special requirements for sockets produced by casting
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

Sl. 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 2):2025	STEEL WIRE ROPES FOR AERIAL ROPEWAYS SPECIFICATION PART 2 TRACK ROPES Second Revision of IS 10891 Part 2
3	IS 10891 (Part 1):2025	STEEL WIRE ROPES FOR AERIAL ROPEWAYS - SPECIFICATION PART 1 HAULING AND CARRYING HAULING ROPE Second Revision
4	IS 10942:2000	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 REVE 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 1855:2024	STRANDED STEEL WIRE ROPES FOR WINDING AND MAN-RIDING HAULAGES IN MINES - SPECIFICATION Fourth Revision

12	IS 1856:2021 ISO 10552:2014	Steel wire ropes for haulage purposes - Specification Fourth Revision
13	IS 19363:2025	METALLIC OR POLYMER COATED WELDED WIRE MESH FENCING SPECIFICATION
14	IS 2140:2022 ISO 17664-2:2021	SPECIFICATION FOR STRANDED GALVANIZED STEEL WIRE FOR FENCING Second Revision of IS 2140
15	IS 2141:2000	Hot dip galvanized stay strand - Specification Fourth Revision
16	IS 2265:2009 Reviewed In : 2020	Specification for galvanized steel wire strand for signaling purposes First Revision
17	IS 2266:2024	STEEL WIRE ROPES FOR GENERAL ENGINEERING PURPOSE - SPECIFICATION Sixth Revision
18	IS 2315:2023 ISO 9333:2022	SPECIFICATION FOR THIMBLES FOR WIRE ROPES Second Revision of IS 2315
19	IS 2361:2002 Reviewed In : 2022	Bulldog grips - Specification Third Revision
20	IS 2365:2024 ISO 4344: 2022	STEEL WIRE ROPES FOR LIFTS - MINIMUM REQUIREMENTS Third revision
21	IS/ISO 2408:2017 2408 ISO 20957-6	Steel wire ropes Requirements
22	IS 2485:2022 ISO 10079-1:2022	SPECIFICATION FOR DROP FORGED SOCKETS FOR WIRE ROPES FOR GENERAL ENGINEERING PURPOSES Second Revision
23	IS 2581:2002 Reviewed In : 2022	Round strand galvanized steel wire ropes for shipping purposes - Specification Fourth Revision
24	IS 2721:2025	GALVANIZED POLY CHLORIDE PVC POLYOLEFIN AND OTHER POLYMER - COATED STEEL CHAIN LINK FENCE FABRIC SPECIFICATION Third Revision of IS 2721
25	IS 2762:2009	Wire rope slings and sling legs - Specification Second Revision
26	IS 278:2009 Reviewed In : 2020	Galvanized steel barbed wire for fencing - Specification Fourth Revision
27	IS 3121:2023	SPECIFICATION FOR RIGGING SCREWS AND STRETCHING SCREWS Second Revision of IS 3121
28	IS 3374:2013 Reviewed In : 2019 Reaffirmed but not taken up for revision	Preformed steel wire ropes for aircraft control Second Revision
29	IS 3459:2004	Small wire ropes - Specification Second Revision
30	IS 3623:2024	GUIDE AND RUBBING ROPES SPECIFICATION Second Revision
31	Is 3626:2025	LOCKED COIL WINDING ROPES SPECIFICATION Fourth Revision of IS 3626
32	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
33	IS 4948:2020	Welded Steel Wire Fabric for General Use - Specification Third Revision
34	IS 5836:1977 Reviewed In : 2022	Specification for inner wire ropes for automobile control cables First Revision
35	IS 6594:2024	TECHNICAL SUPPLY CONDITIONS FOR STEEL WIRE ROPES AND STRANDS Fourth Revision
36	IS 9282:2024	Wire Ropes and Strands for General Structural Applications Including Cable Supported Bridges - Specification third revision