

BUREAU OF INDIAN STANDARDS

Program of Work

MTD 19 : Steel Tubes, Pipes and Fittings Sectional Committee

Scope: Standardization in the field of steel tubes, pipes and fittings including classification, designation and coding of steel tubes

Liaison: **ISO TC-17 SC-19 (P):** *Technical delivery conditions for steel tubes for pressure purposes* **ISO TC-5 SC-1 (P):** *Steel tubes* **ISO TC-5 SC-10 (O):** *Metallic flanges and their joints* **ISO TC-5 SC-5 (P):** *Threaded fittings, solder fittings, welding fittings, pipe threads, thread gauges* **ISO TC-67 (O):** *Oil and gas industries including lower carbon energy* **ISO TC-67 SC-2 (P):** *Pipeline transportation systems* **ISO TC-67 SC-4 (O):** *Drilling, production and injection equipment* **ISO TC-67 SC-5 (P):** *Casing, tubing and drill pipe* **ISO TC-67 SC-6 (O):** *Process equipment, piping, systems, and related safety* **ISO TC-67 SC-7 (O):** *Offshore structures*

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10577 : 1982 <i>Reviewed In : 2024</i>	Specification for lancing pipes	March, 2024	1	Indigenous
2	IS 11428 (Part 13) : 1985 <i>Reviewed In : 2024</i> Decision taken to Reaffirm and Archive	Specification for wrought carbon steel butt - Welding pipe fittings	January, 2024	-	Indigenous
3	IS 1161 : 2014 <i>Reviewed In : 2019</i> 10799-1 & 2, ISO 12633-1 & 2	Steel tubes for structural purposes - Specification (Fifth Revision)	June, 2019	2	Not Equivalent
4	IS 11714 (Part 15) : 1986 <i>Reviewed In : 2024</i> ISO 6758, 6759	Specification for steel tubes for heat exchangers	March, 2024	1	Not Equivalent
5	IS 11722 : 1986 <i>Reviewed In : 2018</i> Reaffirmed but not taken up for revision	Specification for thin walled flexible quick coupling pipes	November, 2018	5	Indigenous
6	IS 1239 (Part 1) : 2004 <i>Reviewed In : 2019</i> ISO 65	Steel tubes, tubulars and other wrought steel fittings - Specification: Part 1 steel tubes (Sixth Revision)	June, 2019	6	Not Equivalent
7	IS 1239 (Part 1) : 2004 <i>Reviewed In : 2019</i>	Steel Tubes, Tubulars and Other Wrought Steel Fittings : Part 1 Steel Tubes (BI-LINGUAL)	June, 2019	4	
8	IS 1239 (Part 2) :	Steel tubes, tubulars and other steel	March, 2021	3	Indigenous

	2011 Reviewed In : 2021	fittings - Specification: Part 2 steel pipe fittings (Fifth Revision)			
9	IS 12620 : 1989 Reviewed In : 2024	Seamless steel tubes for manufacturing high pressure gas cylinders - Specification	March, 2024	1	Indigenous
10	IS 12791 : 1989 Reviewed In : 2024	High carbon chromium bearing steel tubes for the manufacture of bearing races - Specification	March, 2024	-	Indigenous
11	IS 13197 : 1991 Reviewed In : 2024	Grooved pipe couplings - Specification	March, 2024	-	Indigenous
12	IS 17875 : 2022	Stainless Steel seamless pipes and tubes for general service		-	Indigenous
13	IS 17876 : 2022	Stainless steel welded pipes and tubes for general service		-	Indigenous
14	IS 18573 : 2024	Cold formed welded carbon steel square and rectangular hollow sections for mechanical, general engineering and decorative purposes $\frac{1}{2}$ Specification		-	Indigenous
15	IS 1956 (Part 8) : 1976 Reviewed In : 2024	Glossary of terms relating to iron and steel: Part 8 steel tubes and pipes (First Revision)	March, 2024	-	Indigenous
16	IS 2039 (Part 13) : 1991 Reviewed In : 2024	Steel tubes for bicycle and cycle rickshaws - Specification (Second Revision)	March, 2024	2	Indigenous
17	IS 2416 : 1986 Reviewed In : 2024	Specification for boiler and superheater tubes for marine and naval purposes (First Revision)	March, 2024	1	Indigenous
18	IS 3074 : 2013 Reviewed In : 2024 ISO 3304/3305/3306	Steel tubes for automotive purposes - Specification (Third Revision)	March, 2024	1	Not Equivalent
19	IS/ISO 3183 : 2019 ISO 3183 : 2019 ISO 3183 : 2019	Petroleum and Natural Gas Industries Steel Pipe for Pipeline Transportation Systems (Second Revision)		-	Identical under single numbering
20	IS 3589 : 2001 Reviewed In : 2022	Steel pipes for water and sewage (168.3 To 2540 Mm Outside Diameter) - Specification (Third Revision)	February, 2022	6	Indigenous
21	IS 3601 : 2006 Reviewed In : 2022	Steel tubes for mechanical and general engineering purposes - Specification (Second Revision)	February, 2022	2	Indigenous
22	IS B3601 : 2006 Reviewed In : 2023	Steel Tubes for Mechanical and General Engineering Purposes (Bilingual)	March, 2023	-	
23	IS 4270 : 2001 Reviewed In : 2022	Steel tubes used for water wells specification (Third Revision)	February, 2022	2	Indigenous
24	IS 4711 : 2008 Reviewed In : 2024	Methods for sampling of steel pipes, tubes and fittings (Second Revision)	March, 2024	1	Indigenous
25	IS 4712 : 1984 Reviewed In : 2024	Specification for forged steel, socket - Welding fittings (First Revision)	March, 2024	1	Indigenous
26	IS 4923 : 2017 Reviewed In : 2023	Hollow steel sections for structural use - Specification (Third Revision)	March, 2023	3	Indigenous
27	IS 5429 : 2013 Reviewed In : 2024 ISO 4200	Dimensions for steel tubes for automotive purposes (Second Revision)	March, 2024	1	Not Equivalent

28	IS 5433 : 1969 Reviewed In : 2024	Specification for oil well steel casing pipes and couplings	March, 2024	1	Indigenous
29	IS 5504 : 1997 Reviewed In : 2024	Specification for spiral welded pipes (First Revision)	March, 2024	4	Indigenous
30	IS 6286 : 1971 Reviewed In : 2024	Specification for seamless and welded steel pipes for sub - Zero temperature service	March, 2024	1	Indigenous
31	IS 6392 : 2020 Reviewed In : 2023	Steel Pipes Flanges — Specification (First Revision)	March, 2023	1	Indigenous
32	IS 6630 : 1985 Reviewed In : 2024	Specification for seamless ferritic alloy steel pipes for high temperature steam services (First Revision)	March, 2024	-	Indigenous
33	IS 6631 : 1972 Reviewed In : 2019	Steel Pipes for Hydraulic Purposes	June, 2019	1	Indigenous
34	IS 6647 : 1972 Reviewed In : 2024 ISO 13680	Specification for drill pipes for use in oil or natural gas wells	March, 2024	1	Not Equivalent
35	IS 6913 : 2023	Stainless steel tubes for the food, beverage, dairy and pharmaceutical industry $i\frac{1}{2}$ Specification		-	Indigenous
36	IS 6913 : 1973 Reviewed In : 2024	Specification for stainless steel tubes for the food and beverage industry	March, 2024	-	Indigenous
37	IS 7138 : 1973 Reviewed In : 2024	Specification for steel tubes for furniture purposes	March, 2024	3	Indigenous
38	IS 7174 : 1974 Reviewed In : 2024	Specification for carbon steel tubes for use on board ships for working pressures 0.7 to 1.7 n/mm ²	March, 2024	2	Indigenous
39	IS 8036 : 1976 Reviewed In : 2024	Specification for mild steel transformer cooling tubes	March, 2024	3	Indigenous
40	IS 8119 : 1976 Reviewed In : 2024	Specification for copper brazed steel tubing	March, 2024	1	Indigenous
41	IS 9158 : 1979 Reviewed In : 2024	Specification for cold - Drawn high pressure fluid power cylinder tubes	March, 2024	1	Indigenous
42	IS 9295 : 1983 Reviewed In : 2024	Specification for steel tubes for idlers for belt conveyors (First Revision)	March, 2024	6	Indigenous

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
1	MTD 19 (24188) Revision of: IS 12791:1989	High carbon chromium bearing steel tubes for the manufacture of bearing races - Specification First Revision

Preliminary Draft Standards

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	MTD 19 (26048)	Steel pipes for water and sewage 168 3 To 2540 mm Outside Diameter - Specification Third Revision Amendment -7

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	MTD 19 (24294)	Specification for spiral welded pipes Second Revision

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	MTD 19 (23038) Revision of: IS 9295:1983	STEEL TUBES FOR IDLERS FOR BELT CONVEYORS - SPECIFICATION

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
<i>No Records Found</i>		

Total Published Standards:38 Total Standards Under development:4

Aspect Wise Report

Product : 36
 Code of Practices : 0
 Methods of Test : 0
 Terminology : 1
 Dimensions : 0
 System Standard : 0
 Safety Standard : 0
 Others : 2
 Service Specification : 0
 Process Specification : 0
 Unclassified : 0

Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
1	IS 1279 : 1958	Electrically Welded Mild Steel Boilers And Superheater Tubes For Design Steam Temperatures Not Exceeding 155 Degree Centigrade Or 850 Degree Centigrade
2	IS 1914 (Part 14) : 1982	Carbon Steel Boiler Tubes and Superheater Tubes
3	IS 1978 : 1982 Reviewed In : 2014	Line Pipe
4	IS 1979 : 1985 Reviewed In : 2014	High Test Line Pipe
5	IS 2484 : 1979	Dimensions for steel tubes for bicycle purposes
6	IS 3609 : 1966 Reviewed In : 1998	Chrome Molybdenum Steel Seamless Boiler And Superheater Tubes
7	IS 4310 : 1967	Weldable Steel Pipe Fittings For Marine Purposes
8	IS 4516 : 1968 Reviewed In : 1998	Elliptical Mild Steel Tubes
9	IS 4922 : 1968 Reviewed In : 1998	Seamless steel tubes suitable for welding for aircraft purposes
10	IS 4923 : 1997 Reviewed In : 2013 ISO 7476 :2003	Hollow steel sections for structural use - Specification
11	IS 5929 : 1970	Inspection and testing procedure for circular steel tubes for aircraft purposes

	Reviewed In : 1995	
12	IS 6011 : 1970 Reviewed In : 2002	Carbon steel tubes for use on board ships for pressure services
13	IS 6392 : 1971 Reviewed In : 2018 IEC 61243-5 : 1997	Specification for steel pipe flanges

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10577 : 1982 Reviewed In : 2024	Specification for lancing pipes
2	IS 11428 (Part 13) : 1985 Reviewed In : 2024 Decision taken to Reaffirm and Archive	Specification for wrought carbon steel butt - Welding pipe fittings
3	IS 1161 : 2014 Reviewed In : 2019 10799-1 & 2, ISO 12633-1 & 2	Steel tubes for structural purposes - Specification Fifth Revision
4	IS 11714 (Part 15) : 1986 Reviewed In : 2024 ISO 6758, 6759	Specification for steel tubes for heat exchangers
5	IS 11722 : 1986 Reviewed In : 2018 Reaffirmed but not taken up for revision	Specification for thin walled flexible quick coupling pipes
6	IS 1239 (Part 1) : 2004 Reviewed In : 2019 ISO 65	Steel tubes tubulars and other wrought steel fittings - Specification Part 1 steel tubes Sixth Revision
7	IS 1239 (Part 1) : 2004 Reviewed In : 2019	Steel Tubes Tubulars and Other Wrought Steel Fittings Part 1 Steel Tubes BI-LINGUAL
8	IS 1239 (Part 2) : 2011 Reviewed In : 2021	Steel tubes tubulars and other steel fittings - Specification Part 2 steel pipe fittings Fifth Revision
9	IS 12620 : 1989 Reviewed In : 2024	Seamless steel tubes for manufacturing high pressure gas cylinders - Specification
10	IS 12791 : 1989 Reviewed In : 2024	High carbon chromium bearing steel tubes for the manufacture of bearing races - Specification
11	IS 13197 : 1991 Reviewed In : 2024	Grooved pipe couplings - Specification
12	IS 17875 : 2022 ISO 15482:1999	Stainless Steel seamless pipes and tubes for general service
13	IS 17876 : 2022 ISO 15483:1999	Stainless steel welded pipes and tubes for general service
14	IS 18573 : 2024	Cold formed welded carbon steel square and rectangular hollow sections for mechanical general engineering and decorative purposes Specification
15	IS 2039 (Part 13) : 1991 Reviewed In : 2024	Steel tubes for bicycle and cycle rickshaws - Specification Second Revision
16	IS 2416 : 1986 Reviewed In : 2024	Specification for boiler and superheater tubes for marine and naval purposes First Revision
17	IS 3074 : 2013 Reviewed In : 2024 ISO 3304/3305/3306	Steel tubes for automotive purposes - Specification Third Revision
18	IS/ISO 3183 : 2019 ISO 3183 : 2019 IEC TS 62257-9-4:2016	Petroleum and Natural Gas Industries Steel Pipe for Pipeline Transportation Systems Second Revision
19	IS 3589 : 2001 Reviewed In : 2022	Steel pipes for water and sewage 168 3 To 2540 Mm Outside Diameter - Specification Third Revision
20	IS 3601 : 2006 Reviewed In : 2022	Steel tubes for mechanical and general engineering purposes - Specification Second Revision
21	IS B3601 : 2006	Steel Tubes for Mechanical and General Engineering Purposes Bi-lingual

	Reviewed In : 2023	
22	IS 4270 : 2001 Reviewed In : 2022	Steel tubes used for water wells specification Third Revision
23	IS 4712 : 1984 Reviewed In : 2024	Specification for forged steel socket - Welding fittings First Revision
24	IS 5433 : 1969 Reviewed In : 2024	Specification for oil well steel casing pipes and couplings
25	IS 5504 : 1997 Reviewed In : 2024	Specification for spiral welded pipes First Revision
26	IS 6286 : 1971 Reviewed In : 2024	Specification for seamless and welded steel pipes for sub - Zero temperature service
27	IS 6630 : 1985 Reviewed In : 2024	Specification for seamless ferritic alloy steel pipes for high temperature steam services First Revision
28	IS 6631 : 1972 Reviewed In : 2019	Steel Pipes for Hydraulic Purposes
29	IS 6647 : 1972 Reviewed In : 2024 ISO 13680	Specification for drill pipes for use in oil or natural gas wells
30	IS 6913 : 2023	Stainless steel tubes for the food beverage dairy and pharmaceutical industry Specification
31	IS 7138 : 1973 Reviewed In : 2024	Specification for steel tubes for furniture purposes
32	IS 7174 : 1974 Reviewed In : 2024	Specification for carbon steel tubes for use on board ships for working pressures 0.7 to 1.7 n mm ²
33	IS 8036 : 1976 Reviewed In : 2024	Specification for mild steel transformer cooling tubes
34	IS 8119 : 1976 Reviewed In : 2024	Specification for copper brazed steel tubing
35	IS 9158 : 1979 Reviewed In : 2024	Specification for cold - Drawn high pressure fluid power cylinder tubes
36	IS 9295 : 1983 Reviewed In : 2024	Specification for steel tubes for idlers for belt conveyors First Revision