

## 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 : 2024</i> 10799-1 & 2, ISO 12633-1 & 2	Steel tubes for structural purposes - Specification (Fifth Revision)	June, 2024	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 : 2023</i> Reaffirmed but not taken up for revision	Specification for thin walled flexible quick coupling pipes	November, 2023	5	Indigenous
6	IS 1239 (Part 1):2004 <i>Reviewed In : 2024</i> ISO 65	Steel tubes, tubulars and other wrought steel fittings - Specification: Part 1 steel tubes (Sixth Revision)	June, 2024	6	Not Equivalent
7	IS 1239 (Part 1):2004 <i>Reviewed In : 2024</i>	Steel Tubes, Tubulars and Other Wrought Steel Fittings : Part 1 Steel Tubes (BI-LINGUAL)	June, 2024	4	
8	IS 1239 (Part	Steel tubes, tubulars and other steel	March, 2021	3	Indigenous

	2):2011 <a href="#">Reviewed In : 2021</a>	fittings - Specification: Part 2 steel pipe fittings (Fifth Revision)			
9	IS 12620:1989 <a href="#">Reviewed In : 2024</a>	Seamless steel tubes for manufacturing high pressure gas cylinders - Specification	March, 2024	1	Indigenous
10	IS 12791:1989 <a href="#">Reviewed In : 2024</a>	High carbon chromium bearing steel tubes for the manufacture of bearing races - Specification	March, 2024	-	Indigenous
11	IS 13197:1991 <a href="#">Reviewed In : 2024</a>	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		1	Indigenous
15	IS 19111:2025 ISO 11960 : 2020 <a href="#">ISO 11960 : 2020</a>	Petroleum and Natural Gas Industries - Steel Pipes for use as Casing or Tubing for Wells		-	Identical under dual numbering
16	IS 19112:2025 ISO 11961:2018 <a href="#">ISO 11961:2018</a>	Petroleum and Natural Gas Industries - Steel Drill Pipes		-	Identical under dual numbering
17	IS 1956 (Part 8):1976 <a href="#">Reviewed In : 2024</a>	Glossary of terms relating to iron and steel: Part 8 steel tubes and pipes (First Revision)	March, 2024	-	Indigenous
18	IS 2039 (Part 1 to 3):1991 <a href="#">Reviewed In : 2024</a>	Steel tubes for bicycle and cycle rickshaws - Specification (Second Revision)	March, 2024	2	Indigenous
19	IS 2416:1986 <a href="#">Reviewed In : 2024</a>	Specification for boiler and superheater tubes for marine and naval purposes (First Revision)	March, 2024	1	Indigenous
20	IS 3074:2013 <a href="#">Reviewed In : 2024</a> <a href="#">ISO 3304/3305/3306</a>	Steel tubes for automotive purposes - Specification (Third Revision)	March, 2024	1	Not Equivalent
21	IS/ISO 3183:2019 ISO 3183 : 2019 <a href="#">ISO 3183 : 2019</a>	Petroleum and Natural Gas Industries Steel Pipe for Pipeline Transportation Systems ( Second Revision )		-	Identical under single numbering
22	IS 3589:2001 <a href="#">Reviewed In : 2022</a>	Steel pipes for water and sewage (168.3 To 2540 Mm Outside Diameter) - Specification (Third Revision)	February, 2022	7	Indigenous
23	IS 3601:2006 <a href="#">Reviewed In : 2022</a>	Steel tubes for mechanical and general engineering purposes - Specification (Second Revision)	February, 2022	2	Indigenous
24	IS B3601:2006 <a href="#">Reviewed In : 2023</a>	Steel Tubes for Mechanical and General Engineering Purposes (Bilingual)	March, 2023	-	
25	IS 4270:2001 <a href="#">Reviewed In : 2022</a>	Steel tubes used for water wells specification (Third Revision)	February, 2022	2	Indigenous
26	IS 4711:2008 <a href="#">Reviewed In : 2024</a>	Methods for sampling of steel pipes, tubes and fittings (Second Revision)	March, 2024	1	Indigenous
27	IS 4712:1984 <a href="#">Reviewed In : 2024</a>	Specification for forged steel, socket - Welding fittings (First Revision)	March, 2024	1	Indigenous

28	IS 4923:2017 <a href="#">Reviewed In : 2023</a>	Hollow steel sections for structural use - Specification (Third Revision)	March, 2023	3	Indigenous
29	IS 5429:2013 <a href="#">Reviewed In : 2024</a> ISO 4200	Dimensions for steel tubes for automotive purposes (Second Revision)	March, 2024	1	Not Equivalent
30	IS 5433:1969 <a href="#">Reviewed In : 2024</a>	Specification for oil well steel casing pipes and couplings	March, 2024	1	Indigenous
31	IS 5504:2025	Spiral Welded Pipes - Specification (Second Revision)		-	Indigenous
32	IS 5504:1997 <a href="#">Reviewed In : 2024</a>	Specification for spiral welded pipes (First Revision)	March, 2024	4	Indigenous
33	IS 6286:1971 <a href="#">Reviewed In : 2024</a>	Specification for seamless and welded steel pipes for sub - Zero temperature service	March, 2024	1	Indigenous
34	IS 6392:2020 <a href="#">Reviewed In : 2023</a>	Steel Pipes Flanges — Specification ( First Revision )	March, 2023	1	Indigenous
35	IS 6630:1985 <a href="#">Reviewed In : 2024</a>	Specification for seamless ferritic alloy steel pipes for high temperature steam services (First Revision)	March, 2024	-	Indigenous
36	IS 6631:1972 <a href="#">Reviewed In : 2024</a>	Steel Pipes for Hydraulic Purposes	June, 2024	1	Indigenous
37	IS 6647:1972 <a href="#">Reviewed In : 2024</a> ISO 13680	Specification for drill pipes for use in oil or natural gas wells	March, 2024	1	Not Equivalent
38	IS 6913:2023	Stainless steel tubes for the food, beverage, dairy and pharmaceutical industry ½ Specification		-	Indigenous
39	IS 6913:1973 <a href="#">Reviewed In : 2024</a>	Specification for stainless steel tubes for the food and beverage industry	March, 2024	-	Indigenous
40	IS 7138:1973 <a href="#">Reviewed In : 2024</a>	Specification for steel tubes for furniture purposes	March, 2024	3	Indigenous
41	IS 7174:1974 <a href="#">Reviewed In : 2024</a>	Specification for carbon steel tubes for use on board ships for working pressures 0.7 to 1.7 n/mm2	March, 2024	2	Indigenous
42	IS 8036:1976 <a href="#">Reviewed In : 2024</a>	Specification for mild steel transformer cooling tubes	March, 2024	3	Indigenous
43	IS 8119:1976 <a href="#">Reviewed In : 2024</a>	Specification for copper brazed steel tubing	March, 2024	1	Indigenous
44	IS 9158:1979 <a href="#">Reviewed In : 2024</a>	Specification for cold - Drawn high pressure fluid power cylinder tubes	March, 2024	1	Indigenous
45	IS 9295:2024	STEEL TUBES FOR IDLERS FOR BELT CONVEYORS - SPECIFICATION (second revision)		-	Indigenous

### Standards under Development

#### Projects Approved

Sl. No.	Doc No.	Title
No Records Found		

#### Preliminary Draft Standards

SI. No.	Doc No.	Title
1	MTD 19 (26650) Revision of: IS 12791:1989	HIGH CARBON-CHROMIUM BEARING STEEL TUBES FOR THE MANUFACTURE OF BEARING RACES SPECIFICATION
2	MTD 19 (26652) Revision of: IS 6630:1985	Seamless ferritic alloy steel pipes for high temperature steam services - Specification First Revision

Drafts Standards in WC Stage		
SI. No.	Doc No.	Title
1	MTD 19 (26664)	Stainless Steel Welded Tubes for conveyance of aqueous liquids - Specification
2	MTD 19 (26677)	Stainless Steel Welded Tubes for Decorative Purposes - Specification
3	MTD 19 (27052)	Carbon Steel Seamless Pipe for High Temperature Services - Specification
4	MTD 19 (28065)	Standard Specification for Black and Hot- Dipped Zinc-Coated Seamless Steel Pipe First Edition

Draft Standards Completed WC Stage		
SI. No.	Doc No.	Title
No Records Found		

Finalized Draft Indian Standard		
SI. No.	Doc No.	Title
No Records Found		

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

Total Published Standards:38 Total Standards Under development:6
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Aspect Wise Report

Product : 38

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 Reviewed In : 1995	Inspection and testing procedure for circular steel tubes for aircraft purposes
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 : 2024 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 : 2023 Reaffirmed but not taken up for revision	Specification for thin walled flexible quick coupling pipes
6	IS 1239 (Part 1):2004 Reviewed In : 2024 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 : 2024	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 19111:2025 ISO 11960 : 2020	Petroleum and Natural Gas Industries - Steel Pipes for use as Casing or Tubing for Wells

16	IS 19112:2025 ISO 11961:2018	Petroleum and Natural Gas Industries - Steel Drill Pipes
17	IS 2039 (Part 1 to 3):1991 Reviewed In : 2024	Steel tubes for bicycle and cycle rickshaws - Specification Second Revision
18	IS 2416:1986 Reviewed In : 2024	Specification for boiler and superheater tubes for marine and naval purposes First Revision
19	IS 3074:2013 Reviewed In : 2024 ISO 3304/3305/3306	Steel tubes for automotive purposes - Specification Third Revision
20	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
21	IS 3589:2001 Reviewed In : 2022	Steel pipes for water and sewage 168.3 To 2540 Mm Outside Diameter - Specification Third Revision
22	IS 3601:2006 Reviewed In : 2022	Steel tubes for mechanical and general engineering purposes - Specification Second Revision
23	IS B3601:2006 Reviewed In : 2023	Steel Tubes for Mechanical and General Engineering Purposes Bi-lingual
24	IS 4270:2001 Reviewed In : 2022	Steel tubes used for water wells specification Third Revision
25	IS 4712:1984 Reviewed In : 2024	Specification for forged steel socket - Welding fittings First Revision
26	IS 5433:1969 Reviewed In : 2024	Specification for oil well steel casing pipes and couplings
27	IS 5504:2025	Spiral Welded Pipes - Specification Second Revision
28	IS 6286:1971 Reviewed In : 2024	Specification for seamless and welded steel pipes for sub - Zero temperature service
29	IS 6630:1985 Reviewed In : 2024	Specification for seamless ferritic alloy steel pipes for high temperature steam services First Revision
30	IS 6631:1972 Reviewed In : 2024	Steel Pipes for Hydraulic Purposes
31	IS 6647:1972 Reviewed In : 2024 ISO 13680	Specification for drill pipes for use in oil or natural gas wells
32	IS 6913:2023	Stainless steel tubes for the food beverage dairy and pharmaceutical industry Specification
33	IS 7138:1973 Reviewed In : 2024	Specification for steel tubes for furniture purposes
34	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 <sup>2</sup>
35	IS 8036:1976 Reviewed In : 2024	Specification for mild steel transformer cooling tubes
36	IS 8119:1976 Reviewed In : 2024	Specification for copper brazed steel tubing
37	IS 9158:1979 Reviewed In : 2024	Specification for cold - Drawn high pressure fluid power cylinder tubes
38	IS 9295:2024	STEEL TUBES FOR IDLERS FOR BELT CONVEYORS - SPECIFICATION second revision