

BUREAU OF INDIAN STANDARDS

Program of Work

MTD 6 : Pig iron and Cast iron Sectional Committee

Scope: Standardization in the field of pig iron, various types of cast iron castings

Liaison: **ISO TC-25 (P): Cast irons and pig irons ISO TC-5 (P): Ferrous metal pipes and metallic fittings ISO TC-5 SC-2 (P): Cast iron pipes, fittings and their joints ISO TC-25 (P): Cast irons and pig irons ISO TC-5 (P): Ferrous metal pipes and metallic fittings ISO TC-5 SC-2 (P): Cast iron pipes, fittings and their joints**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10207:1982	Methods of sampling grey iron and malleable iron castings	February, 2025	-	Indigenous
2	IS 10292:1988	Specification for dimensional requirements for rubber sealing rings for C.I.D joints in asbestos cement piping (First Revision)	March, 2022	-	Indigenous
3	IS 10299:1982	Specification for cast iron saddle pieces for service connection from asbestos cement pressure pipes	February, 2025	-	Indigenous
4	IS 11606:1986	Methods for sampling of cast iron pipes and fittings	December, 2024	-	Indigenous
5	IS 12820:2004	Dimensional requirements of rubber gaskets for mechanical joints and push - On joints for use with cast iron pipes and fittings for carrying water, gas and sewage (First Revision)	July, 2020	1	Indigenous
6	IS 12987:1991	Cast iron detachable joints for use with asbestos cement pressure pipes (Light Duty) - Specification	December, 2024	-	Indigenous
7	IS 12988:1991 Decision taken to Reaffirm and Archive	Rubber sealing rings for cid joints for light duty ac pipesdimensional requirements	December, 2024	-	Indigenous
8	IS 13382:2018 ISO 2531	Cast iron specials for mechanical and push-on flexible joints for pressure pipes for water, gas and sewage - Specification (Second Revision)	January, 2024	-	Not Equivalent
9	IS 14329:1995 ISO 9147:1987	Malleable iron castings - Specification	December, 2024	-	Not Equivalent
10	IS 1536:2023	Centrifugally cast (spun) iron pressure pipes for water, gas and sewage 1½ Specification		-	Indigenous

11	IS 1537:1976 Reaffirmed but not taken up for revision ISO 6594	Specification for vertically cast iron pressure pipes for water, gas and sewage (First Revision)	February, 2025	7	Not Equivalent
12	IS 1538:1993 ISO 6594	Cast iron fittings for pressure pipes for water, gas and sewage - Specification (Third Revision)	February, 2024	5	Not Equivalent
13	IS 15905:2024	Hubless Centrifugally Cast (Spun) Iron Pipes, Fittings and Accessories â€” Spigot Series â€” Specification (First Revision)		-	Indigenous
14	IS 1729:2023	SAND CAST IRON SPIGOT AND SOCKET PIPES, FITTINGS AND ACCESSORIES $i_c/2$ SPECIFICATION		-	Indigenous
15	IS 1865:1991 ISO 1083:2018	Iron castings with spheroidal or nodular graphite - Specification (Third Revision)	February, 2025	-	Not Equivalent
16	IS 1879:2010	Malleable cast iron pipe fittings - Specification (Third Revision)	July, 2020	5	Indigenous
17	IS 1956 (Part 7):1976	Glossary of terms relating to iron and steel: Part 7 wrought iron (First Revision)	March, 2021	2	Indigenous
18	IS 2084:1991 ISO/TR 15931	Code for designation of pig iron (Second Revision)	March, 2021	-	Not Equivalent
19	IS 210:2009 ISO 185:2005	Grey iron castings - Specification (Fifth Revision)	February, 2025	1	Not Equivalent
20	IS 2749:1974 Decision taken to Reaffirm and Archive ISO 2892:2007	Specification for austenitic iron castings (First Revision)	February, 2025	-	Not Equivalent
21	IS 3005 (Part 4):1984 Reaffirmed but not taken up for revision	Specification for grey cast iron ingot moulds, stools and slag laddles: Part 4 grey cast iron ingot moulds of mass up to 1 tonne (First Revision)	February, 2025	1	Indigenous
22	IS 3005 (Part 1):1979 Reaffirmed but not taken up for revision	Specification for grey cast iron ingot moulds, stools and slag ladles: Part 1 bottom stools for large size ingot moulds weighing 8 tonnes and higher (First Revision)	March, 2022	1	Indigenous
23	IS 3005 (Part 2):1979 Decision taken to Reaffirm and Archive	Specification for grey cast iron ingot moulds, stools and slag ladles: Part 2 grey cast iron ingot moulds of mass more than eight tonnes (First Revision)	February, 2025	1	Indigenous
24	IS 3005 (Part 3):1982 Reaffirmed but not taken up for revision	Specification for grey cast iron ingot moulds, stools and slag laddles: Part 3 grey cast iron ingot moulds of mass more than one tonne and up to eight tonnes (First Revision)	February, 2025	1	Indigenous
25	IS 3355:1974	Specification for grey iron castings	February, 2025	-	Indigenous

		for elevated temperatures for non - Pressure containing parts (First Revision)			
26	IS 3516:1966	Specification for cast iron pipe flanges and flanged fittings for petroleum industry	February, 2025	-	Indigenous
27	IS 3989:2024	CENTRIFUGALLY CAST (SPUN) IRON SPIGOT AND SOCKET PIPES, FITTINGS AND ACCESSORIES $i_c/2$ SPECIFICATION (Fourth Revision)		-	Indigenous
28	IS 4771:1985	Specification for abrasion - Resistant iron castings (Second Revision)	February, 2025	-	Indigenous
29	IS 5519:1979	Deviations for untoleranced dimensions and mass of grey iron castings (First Revision)	February, 2025	-	Indigenous
30	IS 5531:2014	Cast iron specials for asbestos cement pressure pipes for water and sewage - Specification (Third Revision)	February, 2025	-	Indigenous
31	IS 5787:1986	Specification for spheroidal or nodular graphite iron castings for paper mill dryer rolls (First Revision)	March, 2021	1	Indigenous
32	IS 5788:1986	Specification for iron castings with spheroidal or nodular graphite for pressure containing parts for use at elevated temperatures (First Revision)	February, 2025	1	Indigenous
33	IS 5789:1993	Austenitic spheroidal graphite iron castings for pressure containing parts suitable for low - Temperature service - Specification (First Revision)	February, 2025	-	Indigenous
34	IS 6418:1971	Specification for cast iron and malleable cast iron flanges for general engineering purposes	February, 2025	-	Indigenous
35	IS 6629:1972	Specification for cast iron rolls	February, 2025	1	Indigenous
36	IS 7181:1986 Reaffirmed but not taken up for revision	Specification for horizontally cast iron double flanged pipes for water, gas and sewage (First Revision)	December, 2024	5	Indigenous
37	IS 7520:1974	Specification for corrosion - Resistant high silicon iron castings	February, 2025	-	Indigenous
38	IS 7925:1976	Specification for low alloy types of abrasion - Resistant iron castings	March, 2021	-	Indigenous
39	IS 8329:2000 ISO 2531:2009	Centrifugally cast (Spun) ductile iron pressure pipes for water, gas and sewage - Specification (Third Revision)	February, 2025	6	Not Equivalent
40	IS 8349:1977	Deviations for untoleranced dimensions of malleable iron castings	February, 2025	-	Indigenous
41	IS 8350:1977	Deviations for untoleranced dimensions of spheroidal or	February, 2025	1	Indigenous

	Decision taken to Reaffirm and Archive	nodular graphite iron castings			
42	IS 8794:1988	Specification for cast iron detachable joints for use with asbestos cement pressure pipes (First Revision)	March, 2022	2	Indigenous
43	IS 9321:1979	Specification for material for alloy cast iron valve seat inserts	February, 2025	-	Indigenous
44	IS 9523:2025 ISO 2531:2009	Ductile iron fittings for pressure pipes for water, gas and sewage - Specification (First Revision) Amendment - 7	-	7	Not Equivalent
45	IS 9523:2025 ISO 2531:2009	Ductile iron fittings for pressure pipes for water, gas and sewage - Specification (First Revision) Amendment - 7	-	7	Not Equivalent
46	IS 9630:1980	Recommended practices for production of spheroidal graphite iron	March, 2021	2	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
1	MTD 6 (28039) Revision of: IS 1538:1993	Cast iron fittings for pressure pipes for water gas and sewage - Specification Fourth Revision

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	MTD 6 (05028) Revision of: IS 4771:1985	Abrasion-resistant iron castings
2	MTD 6 (11223) Revision of: IS 1536:2001	Centrifugally cast spun iron pressure pipes for water gas and sewage Specification
3	MTD 6 (11224) Revision	SAND CAST IRON SPIGOT AND SOCKET PIPES FITTINGS AND ACCESSORIES

	of: IS 1729:2002	SPECIFICATION
4	MTD 6 (11229) Revision of: IS 3989:2009	CENTRIFUGALLY CAST SPUN IRON SPIGOT AND SOCKET PIPES FITTINGS AND ACCESSORIES SPECIFICATION Fourth Revision
5	MTD 6 (11232) Revision of: IS 15905:2011	Hubless Centrifugally Cast Spun Iron Pipes Fittings and Accessories- Spigot Series - Specification
6	MTD 6 (13117)	Centrifugally Cast SPUN Iron Spigot and Socket Soil Waste Ventilating and Rainwater Pipes Fittings and Accessories - Specification Third Revision Amendment - 4
7	MTD 6 (13118)	Ductile Iron Fittings for Pressure Pipes for Water Gas and Sewage - Specification First Revision Amendment No 6
8	MTD 6 (13243)	Centrifugally Cast Spun Ductile Iron Pressure Pipes for Water Gas and Sewage- Specification Amendment - 5
9	MTD 6 (19001)	Cast iron ductile iron drainage pipes and pipe fittings for over ground non-pressure pipeline socket and spigot series Second Revision Amendment - 1
10	MTD 6 (20720) Revision of: IS 13502:1992	PIG IRON- SPECIFICATION
11	MTD 6 (25697)	Ductile iron fittings for pressure pipes for water gas and sewage - Specification First Revision Amendment - 7
12	MTD 6 (25698)	Centrifugally cast Spun ductile iron pressure pipes for water gas and sewage - Specification Third Revision Amendment - 6
13	MTD 6 (28069)	Grey Iron Castings - Specification - Amendment No - 1

Total Published Standards:45 Total Standards Under development:14

Aspect Wise Report

Product : 34
Code of Practices : 3
Methods of Test : 0
Terminology : 2
Dimensions : 6
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 1230:1979	Cast iron rainwater pipes and fittings
2	IS 13502:1992	Pig iron - Specification
3	IS 2107:1977	Whiteheart malleable iron castings
4	IS 2108:1977	Blackheart Malleable Iron Castings
5	IS 224:1979	Foundry pig iron for general purposes
6	IS 225:1969	Pig iron charcoal
7	IS 227:1954	Malleable iron castings
8	IS 2640:1977	Pearlitic Malleable Iron Castings
9	IS 2841:1978	Pig iron for special purposes
10	IS 2842:1980	Basic pig iron for steel marking purposes

11	IS 3486:1966	Cast Iron Spigot And Socket Drain Pipes
12	IS 3684:1966	Metals for casting moveable types
13	IS 3896 (Part 1):1978	Comparison of Indian and Overseas Standards for Iron Castings - Part I Grey Iron Castings
14	IS 3896 (Part 2):1985	Comparison of Indian and Overseas Standards for Iron Castings - Part 2 Spheroidal or Nodular Graphite Iron Castings
15	IS 5020:1969	Hematite Pig Iron
16	IS 5021:1969	Acid-resisting High-silica Pig Iron
17	IS 6163:1978	Centrifugally cast spun iron low pressure pipes for water gas and sewage
18	IS 6331:1987	Automotive Grey Iron Castings

Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10299:1982	Specification for cast iron saddle pieces for service connection from asbestos cement pressure pipes
2	IS 12987:1991	Cast iron detachable joints for use with asbestos cement pressure pipes Light Duty - Specification
3	IS 13382:2018 ISO 2531	Cast iron specials for mechanical and push-on flexible joints for pressure pipes for water gas and sewage - Specification Second Revision
4	IS 14329:1995 ISO 9147:1987	Malleable iron castings - Specification
5	IS 1536:2023	Centrifugally cast spun iron pressure pipes for water gas and sewage Specification
6	IS 1537:1976 Reaffirmed but not taken up for revision ISO 6594	Specification for vertically cast iron pressure pipes for water gas and sewage First Revision
7	IS 1538:1993 ISO 6594	Cast iron fittings for pressure pipes for water gas and sewage - Specification Third Revision
8	IS 15905:2024	Hubless Centrifugally Cast Spun Iron Pipes Fittings and Accessories Spigot Series Specification First Revision
9	IS 1729:2023	SAND CAST IRON SPIGOT AND SOCKET PIPES FITTINGS AND ACCESSORIES SPECIFICATION
10	IS 1865:1991 ISO 1083:2018	Iron castings with spheroidal or nodular graphite - Specification Third Revision
11	IS 1879:2010	Malleable cast iron pipe fittings - Specification Third Revision
12	IS 210:2009 ISO 185:2005	Grey iron castings - Specification Fifth Revision
13	IS 2749:1974 Decision taken to Reaffirm and Archive ISO 2892:2007	Specification for austenitic iron castings First Revision
14	IS 3005 (Part 3):1982 Reaffirmed but not taken up for revision	Specification for grey cast iron ingot moulds stools and slag laddles Part 3 grey cast iron ingot moulds of mass more than one tonne and up to eight tonnes First Revision
15	IS 3005 (Part 1):1979 Reaffirmed but not taken up	Specification for grey cast iron ingot moulds stools and slag ladles Part 1 bottom stools for large size ingot moulds weighing 8 tonnes and higher First Revision

	for revision	
16	IS 3005 (Part 4):1984 Reaffirmed but not taken up for revision	Specification for grey cast iron ingot moulds stools and slag laddles Part 4 grey cast iron ingot moulds of mass up to 1 tonne First Revision
17	IS 3005 (Part 2):1979 Decision taken to Reaffirm and Archive	Specification for grey cast iron ingot moulds stools and slag ladles Part 2 grey cast iron ingot moulds of mass more than eight tonnes First Revision
18	IS 3355:1974	Specification for grey iron castings for elevated temperatures for non - Pressure containing parts First Revision
19	IS 3516:1966	Specification for cast iron pipe flanges and flanged fittings for petroleum industry
20	IS 3989:2024	CENTRIFUGALLY CAST SPUN IRON SPIGOT AND SOCKET PIPES FITTINGS AND ACCESSORIES SPECIFICATION Fourth Revision
21	IS 4771:1985	Specification for abrasion - Resistant iron castings Second Revision
22	IS 5531:2014	Cast iron specials for asbestos cement pressure pipes for water and sewage - Specification Third Revision
23	IS 5787:1986	Specification for spheroidal or nodular graphite iron castings for paper mill dryer rolls First Revision
24	IS 5788:1986	Specification for iron castings with spheroidal or nodular graphite for pressure containing parts for use at elevated temperatures First Revision
25	IS 5789:1993	Austenitic spheroidal graphite iron castings for pressure containing parts suitable for low - Temperature service - Specification First Revision
26	IS 6418:1971	Specification for cast iron and malleable cast iron flanges for general engineering purposes
27	IS 6629:1972	Specification for cast iron rolls
28	IS 7181:1986 Reaffirmed but not taken up for revision	Specification for horizontally cast iron double flanged pipes for water gas and sewage First Revision
29	IS 7520:1974	Specification for corrosion - Resistant high silicon iron castings
30	IS 7925:1976	Specification for low alloy types of abrasion - Resistant iron castings
31	IS 8329:2000 ISO 2531:2009	Centrifugally cast Spun ductile iron pressure pipes for water gas and sewage - Specification Third Revision
32	IS 8794:1988	Specification for cast iron detachable joints for use with asbestos cement pressure pipes First Revision
33	IS 9321:1979	Specification for material for alloy cast iron valve seat inserts
34	IS 9523:2025 ISO 2531:2009	Ductile iron fittings for pressure pipes for water gas and sewage - Specification First Revision Amendment - 7