

## 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 <i>Reviewed In : 2025</i>	Methods of sampling grey iron and malleable iron castings	February, 2025	-	Indigenous
2	IS 10292:1988 <i>Reviewed In : 2022</i>	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 <i>Reviewed In : 2025</i>	Specification for cast iron saddle pieces for service connection from asbestos cement pressure pipes	February, 2025	-	Indigenous
4	IS 11606:1986 <i>Reviewed In : 2024</i>	Methods for sampling of cast iron pipes and fittings	December, 2024	-	Indigenous
5	IS 12820:2004 <i>Reviewed In : 2020</i>	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 <i>Reviewed In : 2024</i>	Cast iron detachable joints for use with asbestos cement pressure pipes (Light Duty) - Specification	December, 2024	-	Indigenous
7	IS 12988:1991 <i>Reviewed In : 2024</i> 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 <i>Reviewed In : 2024</i> 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 13502:2023	PIG IRON- SPECIFICATION		-	Indigenous
10	IS 14329:1995 <i>Reviewed In : 2024</i> ISO 9147:1987	Malleable iron castings - Specification	December, 2024	-	Not Equivalent

11	IS 1536:2023	Centrifugally cast (spun) iron pressure pipes for water, gas and sewage $\frac{1}{2}$ Specification		-	Indigenous
12	IS 1537:1976 Reviewed In : 2025 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
13	IS 1538:1993 Reviewed In : 2024 ISO 6594	Cast iron fittings for pressure pipes for water, gas and sewage - Specification (Third Revision)	February, 2024	6	Not Equivalent
14	IS 15905:2024	Hubless Centrifugally Cast (Spun) Iron Pipes, Fittings and Accessories “Spigot Series” Specification (First Revision)		-	Indigenous
15	IS 1729:2023	SAND CAST IRON SPIGOT AND SOCKET PIPES, FITTINGS AND ACCESSORIES $\frac{1}{2}$ SPECIFICATION		-	Indigenous
16	IS 1865:1991 Reviewed In : 2025 ISO 1083:2018	Iron castings with spheroidal or nodular graphite - Specification (Third Revision)	February, 2025	-	Not Equivalent
17	IS 1879:2010 Reviewed In : 2020	Malleable cast iron pipe fittings - Specification (Third Revision)	July, 2020	5	Indigenous
18	IS 1956 (Part 7):1976 Reviewed In : 2021	Glossary of terms relating to iron and steel: Part 7 wrought iron (First Revision)	March, 2021	2	Indigenous
19	IS 2084:1991 Reviewed In : 2021 ISO/TR 15931	Code for designation of pig iron (Second Revision)	March, 2021	-	Not Equivalent
20	IS 210:2009 Reviewed In : 2025 ISO 185:2005	Grey iron castings - Specification (Fifth Revision)	February, 2025	1	Not Equivalent
21	IS 2749:1974 Reviewed In : 2025 Decision taken to Reaffirm and Archive ISO 2892:2007	Specification for austenitic iron castings (First Revision)	February, 2025	-	Not Equivalent
22	IS 3005 (Part 1):1979 Reviewed In : 2022 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 Reviewed In : 2025 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 Reviewed In : 2025 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 3005 (Part 4):1984	Specification for grey cast iron ingot moulds, stools and slag	February, 2025	1	Indigenous

	Reviewed In : 2025 Reaffirmed but not taken up for revision	laddles: Part 4 grey cast iron ingot moulds of mass up to 1 tonne (First Revision)			
26	IS 3355:1974 Reviewed In : 2025	Specification for grey iron castings for elevated temperatures for non - Pressure containing parts (First Revision)	February, 2025	-	Indigenous
27	IS 3516:1966 Reviewed In : 2025	Specification for cast iron pipe flanges and flanged fittings for petroleum industry	February, 2025	1	Indigenous
28	IS 3989:2024	CENTRIFUGALLY CAST (SPUN) IRON SPIGOT AND SOCKET PIPES, FITTINGS AND ACCESSORIES $i_c^{1/2}$ SPECIFICATION (Fourth Revision)		-	Indigenous
29	IS 4771:1985 Reviewed In : 2025	Specification for abrasion - Resistant iron castings (Second Revision)	February, 2025	-	Indigenous
30	IS 5519:1979 Reviewed In : 2025	Deviations for untoleranced dimensions and mass of grey iron castings (First Revision)	February, 2025	-	Indigenous
31	IS 5531:2014 Reviewed In : 2025	Cast iron specials for asbestos cement pressure pipes for water and sewage - Specification (Third Revision)	February, 2025	-	Indigenous
32	IS 5787:1986 Reviewed In : 2021	Specification for spheroidal or nodular graphite iron castings for paper mill dryer rolls (First Revision)	March, 2021	1	Indigenous
33	IS 5788:1986 Reviewed In : 2025	Specification for iron castings with spheroidal or nodular graphite for pressure containing parts for use at elevated temperatures (First Revision)	February, 2025	1	Indigenous
34	IS 5789:1993 Reviewed In : 2025	Austenitic spheroidal graphite iron castings for pressure containing parts suitable for low - Temperature service - Specification (First Revision)	February, 2025	-	Indigenous
35	IS 6418:1971 Reviewed In : 2025	Specification for cast iron and malleable cast iron flanges for general engineering purposes	February, 2025	-	Indigenous
36	IS 6629:1972 Reviewed In : 2025	Specification for cast iron rolls	February, 2025	1	Indigenous
37	IS 7181:1986 Reviewed In : 2024 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
38	IS 7520:1974 Reviewed In : 2025	Specification for corrosion - Resistant high silicon iron castings	February, 2025	-	Indigenous
39	IS 7925:1976 Reviewed In : 2021	Specification for low alloy types of abrasion - Resistant iron castings	March, 2021	-	Indigenous
40	IS 8329:2000 Reviewed In : 2025 ISO 2531:2009	Centrifugally cast (Spun) ductile iron pressure pipes for water, gas and sewage - Specification (Third Revision)	February, 2025	6	Not Equivalent

41	IS 8349:1977 <a href="#">Reviewed In : 2025</a>	Deviations for untoleranced dimensions of malleable iron castings	February, 2025	-	Indigenous
42	IS 8350:1977 <a href="#">Reviewed In : 2025</a> Decision taken to Reaffirm and Archive	Deviations for untoleranced dimensions of spheroidal or nodular graphite iron castings	February, 2025	1	Indigenous
43	IS 8794:1988 <a href="#">Reviewed In : 2022</a>	Specification for cast iron detachable joints for use with asbestos cement pressure pipes (First Revision)	March, 2022	2	Indigenous
44	IS 9321:1979 <a href="#">Reviewed In : 2025</a>	Specification for material for alloy cast iron valve seat inserts	February, 2025	-	Indigenous
45	IS 9523:2025 <a href="#">ISO 2531:2009</a>	Ductile iron fittings for pressure pipes for water, gas and sewage - Specification (First Revision) Amendment - 7	-	7	Not Equivalent
46	IS 9630:1980 <a href="#">Reviewed In : 2021</a>	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) <a href="#">Revision of: IS 1538:1993</a>	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) <a href="#">Revision of: IS 4771:1985</a>	Abrasion-resistant iron castings
2	MTD 6 (11223) <a href="#">Revision of: IS 1536:2001</a>	Centrifugally cast spun iron pressure pipes for water gas and sewage Specification

3	MTD 6 (11224) Revision of: IS 1729:2002	SAND CAST IRON SPIGOT AND SOCKET PIPES FITTINGS AND ACCESSORIES 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:46 Total Standards Under development:14**

### Aspect Wise Report

Product : 35  
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 2107:1977	Whiteheart malleable iron castings
3	IS 2108:1977	Blackheart Malleable Iron Castings
4	IS 224:1979	Foundry pig iron for general purposes
5	IS 225:1969	Pig iron charcoal
6	IS 227:1954	Malleable iron castings
7	IS 2640:1977	Pearlitic Malleable Iron Castings
8	IS 2841:1978	Pig iron for special purposes
9	IS 2842:1980	Basic pig iron for steel marking purposes

10	IS 3486:1966 Reviewed In : 2006	Cast Iron Spigot And Socket Drain Pipes
11	IS 3684:1966	Metals for casting moveable types
12	IS 3896 (Part 1):1978 Reviewed In : 2014	Comparison of Indian and Overseas Standards for Iron Castings - Part I Grey Iron Castings
13	IS 3896 (Part 2):1985 Reviewed In : 2014	Comparison of Indian and Overseas Standards for Iron Castings - Part 2 Spheroidal or Nodular Graphite Iron Castings
14	IS 5020:1969	Hematite Pig Iron
15	IS 5021:1969	Acid-resisting High-silica Pig Iron
16	IS 6163:1978 Reviewed In : 2010	Centrifugally cast spun iron low pressure pipes for water gas and sewage
17	IS 6331:1987 Reviewed In : 2005	Automotive Grey Iron Castings

### Annexure-II :List of Indian Product Standards

SI. No.	IS No. & Year	Title
1	IS 10299:1982 Reviewed In : 2025	Specification for cast iron saddle pieces for service connection from asbestos cement pressure pipes
2	IS 12987:1991 Reviewed In : 2024	Cast iron detachable joints for use with asbestos cement pressure pipes Light Duty - Specification
3	IS 13382:2018 Reviewed In : 2024 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 13502:2023 IEC 63203-406-1:2021	PIG IRON- SPECIFICATION
5	IS 14329:1995 Reviewed In : 2024 ISO 9147:1987	Malleable iron castings - Specification
6	IS 1536:2023	Centrifugally cast spun iron pressure pipes for water gas and sewage Specification
7	IS 1537:1976 Reviewed In : 2025 Reaffirmed but not taken up for revision ISO 6594	Specification for vertically cast iron pressure pipes for water gas and sewage First Revision
8	IS 1538:1993 Reviewed In : 2024 ISO 6594	Cast iron fittings for pressure pipes for water gas and sewage - Specification Third Revision
9	IS 15905:2024	Hubless Centrifugally Cast Spun Iron Pipes Fittings and Accessories Spigot Series Specification First Revision
10	IS 1729:2023	SAND CAST IRON SPIGOT AND SOCKET PIPES FITTINGS AND ACCESSORIES SPECIFICATION
11	IS 1865:1991 Reviewed In : 2025 ISO 1083:2018	Iron castings with spheroidal or nodular graphite - Specification Third Revision
12	IS 1879:2010 Reviewed In : 2020	Malleable cast iron pipe fittings - Specification Third Revision
13	IS 210:2009 Reviewed In : 2025 ISO 185:2005	Grey iron castings - Specification Fifth Revision
14	IS 2749:1974 Reviewed In : 2025 Decision taken to Reaffirm and Archive ISO 2892:2007	Specification for austenitic iron castings First Revision
15	IS 3005 (Part 1):1979	Specification for grey cast iron ingot moulds stools and slag ladles Part 1 bottom stools for large

	Reviewed In : 2022 Reaffirmed but not taken up for revision	size ingot moulds weighing 8 tonnes and higher First Revision
16	IS 3005 (Part 2):1979 Reviewed In : 2025 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
17	IS 3005 (Part 3):1982 Reviewed In : 2025 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
18	IS 3005 (Part 4):1984 Reviewed In : 2025 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
19	IS 3355:1974 Reviewed In : 2025	Specification for grey iron castings for elevated temperatures for non - Pressure containing parts First Revision
20	IS 3516:1966 Reviewed In : 2025	Specification for cast iron pipe flanges and flanged fittings for petroleum industry
21	IS 3989:2024	CENTRIFUGALLY CAST SPUN IRON SPIGOT AND SOCKET PIPES FITTINGS AND ACCESSORIES SPECIFICATION Fourth Revision
22	IS 4771:1985 Reviewed In : 2025	Specification for abrasion - Resistant iron castings Second Revision
23	IS 5531:2014 Reviewed In : 2025	Cast iron specials for asbestos cement pressure pipes for water and sewage - Specification Third Revision
24	IS 5787:1986 Reviewed In : 2021	Specification for spheroidal or nodular graphite iron castings for paper mill dryer rolls First Revision
25	IS 5788:1986 Reviewed In : 2025	Specification for iron castings with spheroidal or nodular graphite for pressure containing parts for use at elevated temperatures First Revision
26	IS 5789:1993 Reviewed In : 2025	Austenitic spheroidal graphite iron castings for pressure containing parts suitable for low - Temperature service - Specification First Revision
27	IS 6418:1971 Reviewed In : 2025	Specification for cast iron and malleable cast iron flanges for general engineering purposes
28	IS 6629:1972 Reviewed In : 2025	Specification for cast iron rolls
29	IS 7181:1986 Reviewed In : 2024 Reaffirmed but not taken up for revision	Specification for horizontally cast iron double flanged pipes for water gas and sewage First Revision
30	IS 7520:1974 Reviewed In : 2025	Specification for corrosion - Resistant high silicon iron castings
31	IS 7925:1976 Reviewed In : 2021	Specification for low alloy types of abrasion - Resistant iron castings
32	IS 8329:2000 Reviewed In : 2025 ISO 2531:2009	Centrifugally cast Spun ductile iron pressure pipes for water gas and sewage - Specification Third Revision
33	IS 8794:1988 Reviewed In : 2022	Specification for cast iron detachable joints for use with asbestos cement pressure pipes First Revision
34	IS 9321:1979 Reviewed In : 2025	Specification for material for alloy cast iron valve seat inserts
35	IS 9523:2025 ISO 2531:2009	Ductile iron fittings for pressure pipes for water gas and sewage - Specification First Revision Amendment - 7