

BUREAU OF INDIAN STANDARDS

Program of Work

MTD 8 : Ores and Feed Stock for Copper Industry, its Metals/ Alloys and Products Sectional Committee

Scope: Standardization in the field of copper ores and other feed stock for copper industry and standardization in the field of copper metals, their alloys and products

Liaison: **ISO TC-26 (O): Copper and copper alloys**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 1028 : 1987 <i>Reviewed In : 2021</i>	Specification for silicon bronze ingots and castings (Second Revision)	March, 2021	-	Indigenous
2	IS 10569 : 2005 <i>Reviewed In : 2021</i>	Aluminium bronze rods, bars and sections - Specification (First Revision)	March, 2021	-	Indigenous
3	IS 10709 : 1983 <i>Reviewed In : 2021</i>	Specification for brass wires for fourdrinier cloth	March, 2021	1	Indigenous
4	IS 10710 : 1983 <i>Reviewed In : 2021</i>	Specification for phosphor bronze wires used for fourdrinier cloth	March, 2021	2	Indigenous
5	IS 10742 : 1983 <i>Reviewed In : 2021</i>	Specification for cast gun metal rods and bars	March, 2021	2	Indigenous
6	IS 10757 : 1983 <i>Reviewed In : 2021</i> ISO 430	Specification for nickel silver rods and bars	March, 2021	1	Not Equivalent
7	IS 10773 : 1995 <i>Reviewed In : 2021</i>	Wrought copper tubes for refrigeration and air - Conditioning purposes - Specification (First Revision)	March, 2021	-	Indigenous
8	IS 11109 : 1984 <i>Reviewed In : 2021</i>	Specification for silicon brass ingots and castings	March, 2021	-	Indigenous
9	IS 12228 : 1987 ISO 4746 : 1977 <i>Reviewed In : 2021</i> ISO 4746 : 1977	Method for scale adhesion test for oxygen - Free copper	March, 2021	-	Identical under dual numbering
10	IS 12443 : 1988 <i>Reviewed In : 2021</i>	Specification for rolled brass plates for general engineering purposes	March, 2021	-	Indigenous
11	IS 12444 : 2020	Copper Wire Rods for Electrical Applications — Specification (First Revision)	-	-	Indigenous
12	IS 12558 : 1988 <i>Reviewed In : 2021</i>	Recommended shapes, sizes and mass of copper and copper alloy ingots for remelting purposes	March, 2021	-	Indigenous
13	IS 1264 : 1997 <i>Reviewed In : 2021</i>	Brass gravity die castings - Specification (Fourth Revision)	March, 2021	1	Indigenous
14	IS 1408 : 1968 <i>Reviewed In : 2021</i>	Recommended procedure for inspection of copper - Base alloy sand castings (First Revision)	March, 2021	-	Indigenous

15	IS 14340 : 1996 Reviewed In : 2021	Brass for current carrying parts in electrical wiring accessories - Specification	March, 2021	-	Indigenous
16	IS 1458 : 1965 Reviewed In : 2021	Railway Bronze Ingots And Casting (First Revision)	March, 2021	4	Indigenous
17	IS 14810 : 2000 Reviewed In : 2021	Copper tubes for plumbing - Specification	March, 2021	-	Indigenous
18	IS 14811 : 2000 Reviewed In : 2021	Rolled copper plate, sheet, strip and foils for general engineering purposes - Specification	March, 2021	-	Indigenous
19	IS 1545 : 1994 Reviewed In : 2021	Solid drawn copper and copper alloy tubes for condensers and heat exchangers - Specification (Third Revision)	March, 2021	-	Indigenous
20	IS 16872 : 2019 ISO 6957 : 1988 Reviewed In : 2023 ISO 6957:1988	Copper Alloys - Ammonia Test for Stress Corrosion Resistance	October, 2023	-	Identical under dual numbering
21	IS 1897 : 2008 Reviewed In : 2021	Copper strip for electrical purposes - Specification (Third Revision)	March, 2021	-	Indigenous
22	IS 191 : 2007 Reviewed In : 2021 ISO 197-1, ISO 197-2, ISO 431 ,ISO 1190-1 and IEC 60028	Copper - Specification (Fourth Revision)	March, 2021	2	Not Equivalent
23	IS 2283 : 2000 Reviewed In : 2021	Nickel silver sheet, strip and foil - Specification (Second Revision)	March, 2021	-	Indigenous
24	IS 2305 : 1988 Reviewed In : 2021 ISO 196	Method for mercurous nitrate test for copper and copper alloys (First Revision)	March, 2021	-	Not Equivalent
25	IS 2376 : 1963 Reviewed In : 2021	Colour code for the identification of copper and copper alloys	March, 2021	-	Indigenous
26	IS 2378 : 1974 Reviewed In : 2021 ISO 1190-1:1982	Code for designation of copper and copper alloys (First Revision)	March, 2021	-	Not Equivalent
27	IS 2451 : 1994 Reviewed In : 2021	Copper alloys - Nickel silver - Ingots and castings - Specification (First Revision)	March, 2021	1	Indigenous
28	IS 2501 : 1995 Reviewed In : 2021	Solid drawn copper tubes for general engineering purposes - Specification (Third Revision)	March, 2021	-	Indigenous
29	IS 2603 : 1983 Reviewed In : 2021	Specification for copper anodes for electroplating (First Revision)	March, 2021	-	Indigenous
30	IS 2704 : 1983 Reviewed In : 2021	Specification for brass wires for cold - Headed and machined parts (First Revision)	March, 2021	1	Indigenous
31	IS 2768 : 1982 Reviewed In : 2021	Specification for copper alloy strip for bullet envelope (First Revision)	March, 2021	-	Indigenous
32	IS 28 : 1985 Reviewed In : 2021	Phosphor bronze ingots and castings	March, 2021	1	Indigenous
33	IS 2826 : 1986 Reviewed In : 2021	Dimensions and tolerances for copper and copper alloy rods and bars for general engineering purposes (Third Revision)	March, 2021	-	Indigenous
34	IS 288 : 1981 Reviewed In : 2021	Specification for arsenical copper rods for boiler stay bolts and rivets (Fourth Revision)	March, 2021	1	Indigenous
35	IS 291 : 1989	Naval brass rods and sections for	March, 2021	-	Indigenous

	Reviewed In : 2021	machining purposes - Specification (Third Revision)			
36	IS 292 : 1983 Reviewed In : 2021	Specification for leaded brass ingots and casting (Second Revision)	March, 2021	1	Indigenous
37	IS 304 : 1981 Reviewed In : 2021	Specification for high tensile brass ingots and castings (Second Revision)	March, 2021	-	Indigenous
38	IS 305 : 1981 Reviewed In : 2021	Specification for aluminium bronze ingots and castings (Second Revision)	March, 2021	-	Indigenous
39	IS 3051 : 1988 Reviewed In : 2021	Dimensions and tolerances for wrought copper and copper alloys plate (First Revision)	March, 2021	-	Indigenous
40	IS 3052 : 1986 Reviewed In : 2021	Dimensions and tolerances for wrought copper and copper alloy sheet, strip and foil for general engineering purposes (Second Revision)	March, 2021	-	Indigenous
41	IS 306 : 1983 Reviewed In : 2021	Specification for tin bronze ingots and castings (Third Revision)	March, 2021	1	Indigenous
42	IS 3091 : 1999 Reviewed In : 2021	Aluminium bronze ingots and castings for overhead fittings in electric traction - Specification (First Revision)	March, 2021	-	Indigenous
43	IS 3167 : 1982 Reviewed In : 2021	Specification for cap copper alloy strip (First Revision)	March, 2021	-	Indigenous
44	IS 3168 : 2024	Brass Strip and Foil for Deep Drawing - Specification (Second Revision)		-	Indigenous
45	IS 318 : 1981 Reviewed In : 2021	Specification for leaded tin bronze ingots and castings (Second Revision)	March, 2021	2	Indigenous
46	IS 319 : 2007 Reviewed In : 2022	Free cutting brass bars, rods and section - Specification (Fifth Revision)	March, 2022	-	Indigenous
47	IS 320 : 1980 Reviewed In : 2022	Specification for high tensile brass rods and sections (Other Than Forging Stock) (Second Revision)	March, 2022	1	Indigenous
48	IS 3288 (Part 1) : 1986 Reviewed In : 2021 ISO 197-1, ISO 197-2, ISO 197-3, ISO 197-4 and ISO 197-5	Glossary of terms relating to copper and copper alloys: Part 1 materials (Third Revision)	March, 2021	-	Not Equivalent
49	IS 3288 (Part 2) : 1986 Reviewed In : 2021 ISO 197-1, ISO 197-2, ISO 197-3, ISO 197-4 and ISO 197-6	Glossary of terms relating to copper and copper alloys: Part 2 unwrought and cast form	March, 2021	-	Not Equivalent
50	IS 3288 (Part 3) : 1986 Reviewed In : 2021 ISO 197-1, ISO 197-2, ISO 197-3, ISO 197-4 and ISO	Glossary of terms relating to copper and copper alloys: Part 3 wrought forms	March, 2021	-	Not Equivalent

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51	IS 3288 (Part 4) : 1986 Reviewed In : 2021 ISO 197-1, ISO 197-2, ISO 197-3, ISO 197-4 and ISO 197-8	Glossary of terms relating to copper and copper alloys: Part 4 processing	March, 2021	-	Not Equivalent
52	IS 3288 (Part 5) : 1986 Reviewed In : 2021 ISO 197-1, ISO 197-2, ISO 197-3, ISO 197-4 and ISO 197-9	Glossary of terms relating to copper and copper alloys: Part 5 heat treatment	March, 2021	-	Not Equivalent
53	IS 3288 (Part 6) : 1986 Reviewed In : 2021 ISO 197-1, ISO 197-2, ISO 197-3, ISO 197-4 and ISO 197-10	Glossary of terms relating to copper and copper alloys: Part 6 finishes	March, 2021	-	Not Equivalent
54	IS 3288 (Part 7) : 1986 Reviewed In : 2021 ISO 197-1, ISO 197-2, ISO 197-3, ISO 197-4 and ISO 197-11	Glossary of terms relating to copper and copper alloys: Part 7 dimensional surface and structural characteristics	March, 2021	-	Not Equivalent
55	IS 3288 (Part 8) : 1986 Reviewed In : 2021 SO 197-1, ISO 197-2, ISO 197-3, ISO 197-4 and ISO 197-12	Glossary of terms relating to copper and copper alloys: Part 8 packing	March, 2021	-	Not Equivalent
56	IS 3331 : 2007 Reviewed In : 2022	Copper and brass strips/foils for radiator cores - Specification (Second Revision)	March, 2022	-	Indigenous
57	IS 407 : 1981 Reviewed In : 2021	Specification for brass tubes for general purposes (Third Revision)	March, 2021	2	Indigenous
58	IS 4076 : 1983 Reviewed In : 2021	Specification for brass wires for springs and other special purposes (First Revision)	March, 2021	1	Indigenous
59	IS 410 : 1977 Reviewed In : 2021	Specification for cold rolled brass sheet, strip and foil (Third Revision)	March, 2021	2	Indigenous
60	IS 4131 : 1967 Reviewed In : 2021	Specification for nickel - Copper alloy castings	March, 2021	-	Indigenous
61	IS 4170 : 1967 Reviewed In : 2021	Specification for brass rods for general engineering purposes	March, 2021	2	Indigenous
62	IS 4171 : 1983 Reviewed In : 2021	Specification for copper rods and bars for general engineering purposes (First Revision)	March, 2021	1	Indigenous
63	IS 422 : 1981 Reviewed In : 2021	Specification for brass sheet and strip for the manufacture of utensils (Second Revision)	March, 2021	-	Indigenous
64	IS 4412 : 1981 Reviewed In : 2021	Specification for copper wires for general engineering purposes (First	March, 2021	1	Indigenous

		Revision)			
65	IS 4413 : 1981 Reviewed In : 2021	Specification for brass wires for general engineering purposes (First Revision)	March, 2021	1	Indigenous
66	IS 4519 : 1977 Reviewed In : 2021	Dimensions for copper commutator bars (First Revision)	March, 2021	-	Indigenous
67	IS 5053 : 1969 Reviewed In : 2021	Dimensions for wrought copper and copper alloy rods for fasteners	March, 2021	-	Indigenous
68	IS 531 : 1981 Reviewed In : 2021	Specification for leaded brass strip for instrument parts (Second Revision)	March, 2021	-	Indigenous
69	IS 5493 : 1981 Reviewed In : 2021	Dimensions for wrought copper and copper alloy tubes (First Revision)	March, 2021	-	Indigenous
70	IS 5743 : 1991 Reviewed In : 2021	Copper master alloys (First Revision)	March, 2021	-	Indigenous
71	IS 5744 : 1991 Reviewed In : 2021	Copper alloy screwed ferrules for condenser, heater and cooler tubes - Specification (First Revision)	March, 2021	1	Indigenous
72	IS 5885 : 1977 Reviewed In : 2021	Specification for copper commutator bar (First Revision)	March, 2021	-	Indigenous
73	IS 613 : 2000 Reviewed In : 2021	Copper rods and bars for electrical purposes - Specification (Third Revision)	March, 2021	2	Indigenous
74	IS 6912 : 2005 Reviewed In : 2021	Copper and copper alloys forging stock and forging - Specification (Second Revision)	March, 2021	1	Indigenous
75	IS 7608 : 1987 Reviewed In : 2021	Specification for phosphor bronze wire for general engineering purposes (First Revision)	March, 2021	1	Indigenous
76	IS 7811 : 2019 Reviewed In : 2023	Phosphor bronze rods and bars (Second Revision)	October, 2023	-	Indigenous
77	IS 7814 : 2005 Reviewed In : 2021	Phosphor bronze sheet, strip and foil - Specification (Second Revision)	March, 2021	1	Indigenous
78	IS 8328 : 2007 Reviewed In : 2022	Free cutting copper bars, rods and sections - Specification (First Revision)	March, 2022	-	Indigenous
79	IS 8362 : 1977 Reviewed In : 2021	Specification for copper and copper alloy rolled plates for condensers and heat exchangers	March, 2021	-	Indigenous
80	IS 8364 : 1989 Reviewed In : 2021	Free cuttxng brass wire specification (First Revision)	March, 2021	-	Indigenous
81	IS 8365 : 1991 Reviewed In : 2021	Copper alloys for spot and seam resistance welding electrodes (First Revision)	March, 2021	-	Indigenous
82	IS 8631 : 2024	Copper Base Alloys for Marine Propellers - Specification (First Revision)		-	Indigenous
83	IS 8859 : 2024	Cast Copper Tuyere - Specification (First Revision)		-	Indigenous
84	IS 9682 : 1980 Reviewed In : 2021	Recommended procedure for inspection of cast copper tuyeres	March, 2021	-	Indigenous
85	IS 9713 : 1983 Reviewed In : 2021	Specification for hot - Rolled electrolytic copper wire rods for electrical conductors (First Revision)	March, 2021	-	Indigenous
86	IS 9805 : 1981	Specification for high conductivity	March, 2021	-	Indigenous

	Reviewed In : 2021	copper castings			
87	IS 9861 : 1981 Reviewed In : 2021 ISO 3492 : 1982	Dimensions for wrought copper and copper alloy wires for general engineering purposes	March, 2021	-	Not Equivalent

Standards under Development

Projects Approved

SI. No.	Doc No.	Title
1	MTD 8 (21610) Revision of: IS 407:1981	Specification for brass tubes for general purposes Fourth Revision
2	MTD 8 (21611) Revision of: IS 4131:1967	Specification for nickel - Copper alloy castings First revision

Preliminary Draft Standards

SI. No.	Doc No.	Title
1	MTD 8 (24431) Revision of: IS 1897:2008	Copper plate sheet strip and foil for electrical purposes - Specification Fourth Revision

Drafts Standards in WC Stage

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

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	MTD 8 (21601)	Specification for copper commutator bar Second Revision
2	MTD 8 (22251)	Grading testing and acceptance of copper and copper alloy scrap guidelines
3	MTD 8 (23708)	Copper Alloy Ingots and Castings - Specification Fifth Revision
4	MTD 8 (23710)	Copper and brass strips foils for radiator cores - Specification Third Revision

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	MTD 8 (12229) Revision of: IS 6912:2005	Copper and Copper Alloys Forging Stock and Forging - Specification Third Revision
2	MTD 8 (21605) Revision of: IS 8362:1977	Specification for copper and copper alloy rolled plates for condensers and heat exchangers First Revision

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	MTD 8 (23676)	Wrought Copper Tubes for Refrigeration and Air-Conditioning Purpose Specification Amendment -1

Total Published Standards:86 Total Standards Under development:10

Aspect Wise Report

Product : 65
Code of Practices : 4
Methods of Test : 3
Terminology : 8
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 10723 : 1983 Reviewed In : 2004	Aluminium silicon bronze rods and bars
2	IS 1138 : 1958	Sizes of metal strip sheet brass round square flats and plate for structural and general engineering purpose
3	IS 12444 : 1988 ISO 7240-24	Copper Wire Rods for Electrical Applications Specification First Revision
4	IS 1385 : 1968	Phosphor bronze rods and bars sheet and strip and wire
5	IS 1550 : 1967 Reviewed In : 1996	Copper sheet and strip for utensils and for general purposes
6	IS 1972 : 1989 Reviewed In : 1996	Copper plate sheet and strip for industrial purposes
7	IS 2313 : 1963	Phosphor Copper Ingot
8	IS 2371 : 1973	Solid drawn copper alloy tubes for condensers evaporators heaters and cooler tubes using saline hard water
9	IS 2456 : 1963	Brass Strip For Pen Nibs
10	IS 3057 : 1965	Copper sheets for photo process engravings
11	IS 3285 : 1965	Copper Strip For Electrical Purposes Withdrawn Or Rolled Edged above 150 Mm Width
12	IS 3332 : 1965	Nickel silver strip and foil for telecommunication purposes
13	IS 3487 : 1994 Reviewed In : 1999	Copper-cold Rolled Strip And Foil For Gaskets Washers And Eyelets
14	IS 3488 : 1980	Brass Bars Rods And Sections Suitable For Forging
15	IS 4077 : 1967	Copper-nickel Shot
16	IS 5494 : 1969	Leaded brass sheets and strips for use in manufacture of tubewell strainers

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 1028 : 1987 Reviewed In : 2021	Specification for silicon bronze ingots and castings Second Revision
2	IS 10569 : 2005 Reviewed In : 2021	Aluminium bronze rods bars and sections - Specification First Revision
3	IS 10709 : 1983 Reviewed In : 2021	Specification for brass wires for fourdrinier cloth
4	IS 10710 : 1983 Reviewed In : 2021	Specification for phosphor bronze wires used for fourdrinier cloth
5	IS 10742 : 1983 Reviewed In : 2021	Specification for cast gun metal rods and bars
6	IS 10757 : 1983	Specification for nickel silver rods and bars

	Reviewed In : 2021 ISO 430	
7	IS 10773 : 1995 Reviewed In : 2021	Wrought copper tubes for refrigeration and air - Conditioning purposes - Specification First Revision
8	IS 11109 : 1984 Reviewed In : 2021	Specification for silicon brass ingots and castings
9	IS 12443 : 1988 Reviewed In : 2021	Specification for rolled brass plates for general engineering purposes
10	IS 12558 : 1988 Reviewed In : 2021	Recommended shapes sizes and mass of copper and copper alloy ingots for remelting purposes
11	IS 1264 : 1997 Reviewed In : 2021	Brass gravity die castings - Specification Fourth Revision
12	IS 14340 : 1996 Reviewed In : 2021	Brass for current carrying parts in electrical wiring accessories - Specification
13	IS 1458 : 1965 Reviewed In : 2021	Railway Bronze Ingots And Casting First Revision
14	IS 14810 : 2000 Reviewed In : 2021	Copper tubes for plumbing - Specification
15	IS 14811 : 2000 Reviewed In : 2021	Rolled copper plate sheet strip and foils for general engineering purposes - Specification
16	IS 1545 : 1994 Reviewed In : 2021	Solid drawn copper and copper alloy tubes for condensers and heat exchangers - Specification Third Revision
17	IS 1897 : 2008 Reviewed In : 2021	Copper strip for electrical purposes - Specification Third Revision
18	IS 191 : 2007 Reviewed In : 2021 ISO 197-1, ISO 197-2, ISO 431, ISO 1190-1 and IEC 60028	Copper - Specification Fourth Revision
19	IS 2283 : 2000 Reviewed In : 2021	Nickel silver sheet strip and foil - Specification Second Revision
20	IS 2451 : 1994 Reviewed In : 2021	Copper alloys - Nickel silver - Ingots and castings - Specification First Revision
21	IS 2501 : 1995 Reviewed In : 2021	Solid drawn copper tubes for general engineering purposes - Specification Third Revision
22	IS 2603 : 1983 Reviewed In : 2021	Specification for copper anodes for electroplating First Revision
23	IS 2704 : 1983 Reviewed In : 2021	Specification for brass wires for cold - Headed and machined parts First Revision
24	IS 2768 : 1982 Reviewed In : 2021	Specification for copper alloy strip for bullet envelope First Revision
25	IS 28 : 1985 Reviewed In : 2021	Phosphor bronze ingots and castings
26	IS 288 : 1981 Reviewed In : 2021	Specification for arsenical copper rods for boiler stay bolts and rivets Fourth Revision
27	IS 291 : 1989 Reviewed In : 2021	Naval brass rods and sections for machining purposes - Specification Third Revision
28	IS 292 : 1983 Reviewed In : 2021	Specification for leaded brass ingots and casting Second Revision
29	IS 304 : 1981 Reviewed In : 2021	Specification for high tensile brass ingots and castings Second Revision
30	IS 305 : 1981 Reviewed In : 2021	Specification for aluminium bronze ingots and castings Second Revision
31	IS 3051 : 1988 Reviewed In : 2021	Dimensions and tolerances for wrought copper and copper alloys plate First Revision
32	IS 306 : 1983 Reviewed In : 2021	Specification for tin bronze ingots and castings Third Revision
33	IS 3091 : 1999 Reviewed In : 2021	Aluminium bronze ingots and castings for overhead fittings in electric traction - Specification First Revision
34	IS 3167 : 1982 Reviewed In : 2021	Specification for cap copper alloy strip First Revision

35	IS 3168 : 2024	Brass Strip and Foil for Deep Drawing - Specification Second Revision
36	IS 318 : 1981 Reviewed In : 2021	Specification for leaded tin bronze ingots and castings Second Revision
37	IS 319 : 2007 Reviewed In : 2022	Free cutting brass bars rods and section - Specification Fifth Revision
38	IS 320 : 1980 Reviewed In : 2022	Specification for high tensile brass rods and sections Other Than Forging Stock Second Revision
39	IS 3331 : 2007 Reviewed In : 2022	Copper and brass strips foils for radiator cores - Specification Second Revision
40	IS 407 : 1981 Reviewed In : 2021	Specification for brass tubes for general purposes Third Revision
41	IS 4076 : 1983 Reviewed In : 2021	Specification for brass wires for springs and other special purposes First Revision
42	IS 410 : 1977 Reviewed In : 2021	Specification for cold rolled brass sheet strip and foil Third Revision
43	IS 4131 : 1967 Reviewed In : 2021	Specification for nickel - Copper alloy castings
44	IS 4170 : 1967 Reviewed In : 2021	Specification for brass rods for general engineering purposes
45	IS 4171 : 1983 Reviewed In : 2021	Specification for copper rods and bars for general engineering purposes First Revision
46	IS 422 : 1981 Reviewed In : 2021	Specification for brass sheet and strip for the manufacture of utensils Second Revision
47	IS 4412 : 1981 Reviewed In : 2021	Specification for copper wires for general engineering purposes First Revision
48	IS 4413 : 1981 Reviewed In : 2021	Specification for brass wires for general engineering purposes First Revision
49	IS 531 : 1981 Reviewed In : 2021	Specification for leaded brass strip for instrument parts Second Revision
50	IS 5743 : 1991 Reviewed In : 2021	Copper master alloys First Revision
51	IS 5744 : 1991 Reviewed In : 2021	Copper alloy screwed ferrules for condenser heater and cooler tubes - Specification First Revision
52	IS 5885 : 1977 Reviewed In : 2021	Specification for copper commutator bar First Revision
53	IS 613 : 2000 Reviewed In : 2021	Copper rods and bars for electrical purposes - Specification Third Revision
54	IS 6912 : 2005 Reviewed In : 2021	Copper and copper alloys forging stock and forging - Specification Second Revision
55	IS 7608 : 1987 Reviewed In : 2021	Specification for phosphor bronze wire for general engineering purposes First Revision
56	IS 7811 : 2019 Reviewed In : 2023	Phosphor bronze rods and bars Second Revision
57	IS 7814 : 2005 Reviewed In : 2021	Phosphor bronze sheet strip and foil - Specification Second Revision
58	IS 8328 : 2007 Reviewed In : 2022	Free cutting copper bars rods and sections - Specification First Revision
59	IS 8362 : 1977 Reviewed In : 2021	Specification for copper and copper alloy rolled plates for condensers and heat exchangers
60	IS 8364 : 1989 Reviewed In : 2021	Free cuttxng brass wire specification First Revision
61	IS 8365 : 1991 Reviewed In : 2021	Copper alloys for spot and seam resistance welding electrodes First Revision
62	IS 8631 : 2024	Copper Base Alloys for Marine Propellers - Specification First Revision
63	IS 8859 : 2024	Cast Copper Tuyere - Specification First Revision

64	IS 9713 : 1983 Reviewed In : 2021	Specification for hot - Rolled electrolytic copper wire rods for electrical conductors First Revision
65	IS 9805 : 1981 Reviewed In : 2021	Specification for high conductivity copper castings