

BUREAU OF INDIAN STANDARDS

Program of Work

PGD 13 : Bearing

Scope: Formulation of standards for rolling element bearings and hydro-mechanic bearing (including plain, thrust bush bimetallic, hydrostatic bearing and hydro dynamic bearings etc.)

Liaison: **ISO TC-123 (P): Plain bearings ISO TC-123 SC-2 (P): Materials and lubricants, their properties, characteristics, test methods and testing conditions ISO TC-123 SC-3 (P): Dimensions, tolerances and construction details ISO TC-123 SC-5 (P): Quality analysis and assurance ISO TC-123 SC-6 (O): Terms and common items ISO TC-123 SC-7 (P): Special types of plain bearings ISO TC-123 SC-8 (P): Calculation methods for plain bearings and their applications ISO TC-4 (P): Rolling bearings ISO TC-4 SC-11 (P): Linear motion rolling bearings ISO TC-4 SC-12 (P): Ball bearings ISO TC-4 SC-4 (P): Rolling bearings - Vocabulary, boundary dimensions and geometrical product specifications ISO TC-4 SC-5 (P): Roller Bearings ISO TC-4 SC-6 (P): Insert bearings ISO TC-4 SC-7 (P): Spherical plain bearings ISO TC-4 SC-8 (P): Load ratings and life**

Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10203 : 1982 Reviewed In : 2023 Reaffirmed but not taken up for revision	Technical supply conditions for thin - Walled plain bearings	May, 2023	-	Indigenous
2	IS 10260 (Part 1) : 2017 ISO 4378-1 : 2009 Reviewed In : 2021 ISO 4378-1	Plain bearings - Terms, definitions, classification and symbols: Part 1 design, bearing materials and their properties (First Revision)	November, 2021	-	Identical under dual numbering
3	IS 10260 (Part 2) : 1982 Reviewed In : 2020 ISO 281: 2007	Terms, definitions and classification of plain - Bearing: Part 2 friction and wear	June, 2020	-	Identical under dual numbering
4	IS 10260 (Part 3) : 2018 ISO 4378-3 : 2009 Reviewed In : 2024 ISO 4378-3	Plain bearings - Terms, definitions, classification and symbols: Part 3 lubrication (First Revision)	March, 2024	-	Identical under dual numbering
5	IS 10648 : 1983 Reviewed In : 2020 Reaffirmed but not taken up for revision	Code for identification of ring type needle bearings Including Sealed Bearings	June, 2020	-	Indigenous
6	IS 11027 (Part 1) : 2019 ISO 1132-1 : 2000	Rolling Bearing "Tolerances Part 1 Terms and Definitions (First Revision)	May, 2023	-	Identical under dual numbering

	Reviewed In : 2023 ISO 1132-1 : 2000				
7	IS 11027 (Part 2) : 2018 ISO 1132-2 : 2001 Reviewed In : 2023 ISO 1132-2 : 2001	Rolling Bearing - Tolerances Part 2 Measuring and Gauging Principles and Methods	May, 2023	-	Identical under dual numbering
8	IS 11904 : 2023 ISO 464 : 2015 ISO 464 : 2015	Rolling bearings Radial bearings with locating snap ring Dimensions geometrical product specifications GPS and tolerance values		-	Identical under dual numbering
9	IS 12102 : 1987 Reviewed In : 2023	Specification for tapered roller bearings	January, 2023	-	Indigenous
10	IS/ISO 12297-1 : 2021 ISO 12297-1 : 2021 ISO 12297-1 : 2021	Rolling Bearings — Cylindrical Rollers Part 1 Boundary Dimensions, Geometrical Product Specifications (GPS) and Tolerance Values for Steel Rollers (First Revision)		-	Identical under single numbering
11	IS/ISO 12297-2 : 2018 ISO 12297-2 : 2018 ISO 12297-2 : 2018	Rolling bearings Cylindrical rollers Part 2: Boundary Dimensions Geometrical Product Specifications GPS and Tolerance Values for Ceramic Rollers		-	Identical under single numbering
12	IS 13405 : 2018 ISO 246 : 2007 Reviewed In : 2023 ISO 246 : 2007	Rolling bearings - Cylindrical roller bearings, separate thrust collars - Boundary dimensions (Second Revision)	May, 2023	-	Identical under dual numbering
13	IS 13406 : 2024 ISO 8443 : 2022 ISO 8443 : 2022	Rolling Bearings Radial Ball Bearings with Flanged Outer Ring Flange Dimensions (second revision)		-	Identical under dual numbering
14	IS 13962 : 2018 ISO 10317 : 2008 Reviewed In : 2023 ISO 10317 : 2008	Rolling bearings - Tapered roller bearings - Designation system (First Revision)	May, 2023	1	Identical under dual numbering
15	IS 14347 : 1996 Reviewed In : 2023	Plummer block housings - Specification	January, 2023	-	Indigenous
16	IS 14478 : 1997 Reviewed In : 2018 Reaffirmed but not taken up for revision	Plain bearings - Thick - Walled bushes, plain and flange type, full - Round (without any joint or slit) - Specification	August, 2018	-	Indigenous
17	IS 14802 (Part 1) : 2000 ISO 4384-1 Reviewed In : 2020 ISO 4384-1 : 1982	Plain bearings - Hardness testing of bearing metals: Part 1 compound materials	May, 2020	-	Identical under dual numbering
18	IS 14802 (Part 2) : 2024 ISO 4384-2 : 2022 ISO 4384-2 : 2022	Hardness Testing Of Bearing Metals Plain Bearings Part 2 Solid Materials (Second Revision)		-	Identical under dual numbering
19	IS 14802 (Part 2) : 2019 ISO 4384-2 : 2011 ISO 4384-2 : 2022	Plain Bearing — Hardness Testing of Bearing Metals Part 2 Solid Materials (First Revision)	-	-	Identical under dual numbering
20	IS 14803 (Part 1) : 2022 ISO 12129-1 : 2019	Plain bearings Tolerances Part 1: Fits		-	Identical under dual numbering

	ISO 12129-1 :2019				
21	IS 14803 (Part 2) : 2022 ISO 12129-2 : 2019 ISO 12129-2 : 2019	Plain bearings Tolerances Part 2: Tolerances on form and position and surface roughness for shafts and thrust collars		-	Identical under dual numbering
22	IS 15620 : 2019 ISO 4383 : 2012 Reviewed In : 2024 ISO 4383 : 2012	Plain Bearings — Multilayer Materials for Thin-Walled Plain Bearing (First Revision)	April, 2024	-	Identical under dual numbering
23	IS 15624 : 2005 ISO 6691 : 200 Reviewed In : 2020 ISO 6691 : 2000	Thermoplastic polymers for plain bearings - Classification and designation	June, 2020	-	Identical under dual numbering
24	IS 15625 : 2022 ISO 12128 : 2020 ISO 12128 : 2020	Plain bearings Lubrication holes grooves and pockets Dimensions types designation and their application to bearing bushes		-	Identical under dual numbering
25	IS 16298 : 2017 ISO 6280 : 1981 Reviewed In : 2023 ISO 6280 : 2018	Plain bearings - Requirements on backings for thick - Walled multilayer bearings	January, 2023	-	Identical under dual numbering
26	IS 16298 : 2024 ISO 6280 : 2018 ISO 6280 : 2018	Plain Bearings " Requirements and Guidance on Backings for Thick-Walled Multilayer Bearings (First Revision)		-	Identical under dual numbering
27	IS 16478 (Part 1) : 2019 ISO 4386-1 : 2012 ISO 4386-1 : 2012	Plain bearing - Metallic multilayer plain bearings: Part 1 non - Destructive ultrasonic testing of bond of thickness greater than or equal to 0.5 mm		-	Identical under dual numbering
28	IS 16478 (Part 2) : 2024 ISO 4386-2 : 2019 ISO 4386-2 : 2019	Plain Bearings " Metallic Multilayer Plain Bearings Part 2 Destructive Testing of Bond for Bearing Metal Layer Thicknesses Greater than or Equal to 2 mm (First Revision)		-	Identical under dual numbering
29	IS 16478 (Part 3) : 2023 ISO 4386-3 : 2018 ISO 4386-3 : 2018	Plain bearings Metallic multilayer plain bearings Part 3 : Non-destructive penetrant testing		-	Identical under dual numbering
30	IS 16605 (Part 1) : 2018 ISO 2982-1:20132-1 ISO 2982-1:20132-1	Rolling bearings Accessories Part 1 : Dimensions for adapter sleeve assemblies and withdrawal sleeves		-	Identical under dual numbering
31	IS 16605 (Part 2) : 2018 ISO 2982-2 : 2013 ISO 2982-2 : 2013	Rolling Bearings " Accessories Part 2 Dimensions for Locknuts and Locking Devices		-	Identical under dual numbering
32	IS 16736 : 2020 ISO 3096 : 2018 ISO 3096 : 2018	Rolling Bearings — Needle Rollers — Boundary Dimensions, Geometrical Product Specifications (GPS) and Tolerance Values (First Revision)		-	Identical under dual numbering
33	IS 17126 : 2024 ISO 4381 : 2011 ISO 4381 : 2011	Plain Bearings " Tin Casting Alloys for Multilayer Plain Bearings (First Revision)		-	Identical under dual numbering
34	IS 17267 : 2019 ISO/TS 16281 : 2008	Rolling Bearings - Methods for Calculating the Modified References Rating Life for		-	Identical under dual numbering

	ISO 16281 : 2008	Universally Loaded Bearings			
35	IS 17276 : 2019 ISO 15243 : 2017 Reviewed In : 2023 ISO 15243 : 2017	Rolling Bearings - Damage and Failures - Terms, Characteristics and Causes	May, 2023	-	Identical under dual numbering
36	IS 18379 (Part 1) : 2023 ISO 21250-1 : 2020 ISO 21250-1 : 2020	Rolling bearings Noise testing of rolling bearing greases Part 1: Basic principles testing assembly and test machine		-	Identical under dual numbering
37	IS 18392 : 2024 ISO 24393 : 2008 ISO 24393 : 2008	Rolling bearings Linear motion rolling bearings Vocabulary		-	Identical under dual numbering
38	IS 2399 : 2024 ISO 5593 : 2023 ISO 5593 : 2023	Rolling Bearings - Vocabulary (Third Revision)		-	Identical under dual numbering
39	IS 2898 (Part 1) : 2019 ISO 3290-1 : 2014 ISO 3290-1 : 2014	Rolling bearings -- Balls: Part 1 Steel balls (Second Revision)		-	Identical under dual numbering
40	IS 2898 (Part 2) : 2019 ISO 3290-2 : 2014 ISO 3290-2 : 2014	Rolling bearings -- Balls: Part 2 Ceramic balls		-	Identical under dual numbering
41	IS 3090 : 1965 Reviewed In : 2017	Code of practice for installation and maintenance of rolling bearings	July, 2017	-	Indigenous
42	IS 3823 : 2014 ISO 76 : 2006 Reviewed In : 2023 ISO 76 : 2006	Rolling bearings -- Static load ratings (Third Revision)	May, 2023	-	Identical under dual numbering
43	IS 3824 : 2014 ISO 281 : 2007 Reviewed In : 2023 ISO 281 : 2007	Rolling bearings -- Dynamic load ratings and rating life (Third Revision)	January, 2023	-	Identical under dual numbering
44	IS 3980 : 1982 Reviewed In : 2020 Reaffirmed but not taken up for revision ISO 2795 : 1979	Specification for porous metal powder oil -- Impregnated bearings (First Revision)	June, 2020	1	Not Equivalent
45	IS 4215 : 1983 Reviewed In : 2020 Reaffirmed but not taken up for revision	Specification for ring type needle bearings (First Revision)	June, 2020	-	Indigenous
46	IS 4216 : 1981 Reviewed In : 2016	Specification for needle cages (First Revision)	May, 2016	1	Indigenous
47	IS 4217 : 2020 ISO 3096 : 2018	Rolling bearings -- Needle rollers -- Specification (Second Revision)	-	-	Not Equivalent
48	IS 4757 (Part 1) : 2020	Plain bearings -- Wrapped bushes: Part 1 Dimensions (Second Revision)		-	
49	IS 4757 (Part 2) : 2020 ISO 3547-2 : 2017 ISO 3547-5 : 2007	Plain bearings -- Wrapped bushes: Part 2 Test data for outside and inside diameters (Second Revision)		-	Identical under dual numbering
50	IS 4757 (Part 3) : 2020	Plain bearings -- Wrapped bushes: Part 3 Lubrication holes, grooves		-	Identical under dual numbering

	ISO 3547-3 : 2017 ISO 3547-3 : 2017	and indentations (Second Revision)			
51	IS 4757 (Part 4) : 2020 ISO 3547-4 : 2017 ISO 3547-4 : 2017	Plain bearings -- Wrapped bushes: Part 4 Materials (Second Revision)		-	Identical under single numbering
52	IS 4757 (Part 5) : 2022 ISO 3547-5 : 2020 ISO 3547-5 : 2020	Plain bearings -- Wrapped bushes: Part 5 Checking the outside diameter		-	Identical under dual numbering
53	IS 4757 (Part 6) : 2022 ISO 3547-6 : 2020 ISO 3547-6 : 2020	Plain bearings Wrapped bushes Part 6: Checking the inside diameter		-	Identical under dual numbering
54	IS 4757 (Part 7) : 2022 ISO 3547-7 : 2020 ISO 3547-7 : 2020	Plain bearings Wrapped bushes Part 7: Measurement of wall thickness of thin-walled Bushes		-	Identical under dual numbering
55	IS 4773 : 2017 ISO 113 : 2010 Reviewed In : 2023 ISO 113	Rolling bearings - Plummer block housings - Boundary dimensions (Third Revision)	January, 2023	-	Identical under dual numbering
56	IS 4774 (Part 1) : 2023 ISO 3548-1 : 2014	Plain bearings Thin-walled half bearings with or without flange Part 1: Tolerance design features and methods of test		-	Modified/Technically Equivalent
57	IS 4774 (Part 2) : 2022 ISO 3548-2 : 2020 ISO 3548-2 : 2020	Plain bearings Thin-walled half bearings with or without flange Part 2: Measurement of wall thickness and flange thickness Second Revision		-	Identical under dual numbering
58	IS 4774 (Part 3) : 2022 ISO 3548-3 : 2012 ISO 3548-3 : 2012	Plain bearing Thin-walled half bearing with or without flange Part 3: Measurement of peripheral length		-	Identical under dual numbering
59	IS 5669 : 2019 ISO 15 : 2017 Reviewed In : 2023 ISO 15 : 2017	Rolling bearings -- Radial bearings -- Boundary dimensions, general plan (Second Revision)	May, 2023	-	Identical under dual numbering
60	IS 5692 : 2024 ISO 492 : 2023 ISO 492 : 2023	Rolling Bearings " Radial Bearings " Geometrical Product Specifications (GPS) and Tolerance Values (Third Revision)		-	Identical under dual numbering
61	IS 5932 : 2019 ISO 104 : 2015 Reviewed In : 2023 ISO 104	Rolling bearings -- Thrust bearings -- Boundary dimensions, general plan (Second Revision)	May, 2023	-	Identical under dual numbering
62	IS 5933 : 2024 ISO 199 : 2023 ISO 199 : 2023	Rolling Bearings " Thrust Bearings " Geometrical Product Specifications (GPS) and Tolerance Values (Fifth Revision)		-	Identical under dual numbering
63	IS 5934 : 1999 ISO 582-1995 Reviewed In : 2022 ISO 582 : 1995	Rolling bearings -- Chamfer dimensions -- Maximum values -- Specification (Second Revision)	December, 2022	-	Identical under dual numbering
64	IS 5935 (Part 1) : 2019 ISO 5753-1 : 2009 Reviewed In : 2023	Rolling bearings -- Internal clearance: Part 1 Radial internal clearance for radial bearings (Second Revision)	May, 2023	-	Identical under dual numbering

	ISO 5753-1 : 2009				
65	IS 5935 (Part 2) : 2019 Reviewed In : 2023 ISO 5753-2 : 2010 ISO 5753-2 : 2010	Rolling bearings - Internal clearance: Part 2 axial internal clearance for four - Point - Contact ball bearings	May, 2023	-	Identical under dual numbering
66	IS 6453 : 1984 Reviewed In : 2020	Technical supply conditions for rolling bearings	June, 2020	1	Indigenous
67	IS 6454 : 1972 Reviewed In : 2016	Specification for self - Aligning roller bearings	May, 2016	1	Indigenous
68	IS 6455 : 2020	Single Row Deep Groove Ball Bearings — Specification (First Revision)	-	-	Indigenous
69	IS 6456 : 1972 Reviewed In : 2016	Specification for double row radial ball bearings	May, 2016	1	Indigenous
70	IS 6457 : 1972 Reviewed In : 2023	Specification for single row cylindrical roller bearings	January, 2023	1	Indigenous
71	IS 6458 : 1972 Reviewed In : 2020	Specification for double row cylindrical roller bearings	June, 2020	1	Indigenous
72	IS 7461 : 2024 ISO 355 : 2019 ISO 355 : 2019	Rolling Bearings “Tapered Roller Bearings” Boundary Dimensions and Series Designations (Fourth Revision)		-	Identical under dual numbering
73	IS 9202 : 2020 ISO 12297 : 2012	Rolling Bearings — Cylindrical Rollers — Specification (First Revision)	-	-	Not Equivalent
74	IS 9619 : 1980 Reviewed In : 2023	Identification code for shell type needle bearings (Including Sealed Bearing)	January, 2023	-	Indigenous
75	IS 9764 (Part 1) : 2022 ISO 6525 : 1983	Plain bearings Ring type thrust washers made from strip Dimensions and tolerances		-	Identical under dual numbering
76	IS 9764 (Part 2) : 2022 ISO 6526 : 2017	Plain bearings Pressed bimetallic half thrust washers Features and tolerances		-	Modified/Technically Equivalent

Standards under Development

Projects Approved

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

Preliminary Draft Standards

SI. No.	Doc No.	Title
1	PGD 13 (25113) Revision of: IS 4773:2017	Rolling Bearings Plummer Block Housings Boundary Dimensions fourth revision
2	PGD 13 (25114) Revision of: IS 6454:1972	Self - Aligning Roller Bearings Part 1 Single Row Specification first revision
3	PGD 13 (25116) Revision of: IS 6456:1972	Specification for Double Row Radial Ball Bearings first revision
4	PGD 13 (25118)	Rolling Bearings Cast and Pressed Housings for Insert Bearings Boundary Dimensions and Tolerances
5	PGD 13 (25119) Revision of: IS 6458:1972	Specification for Double Row Cylindrical Roller Bearings first revision
6	PGD 13 (25123) Revision of: IS 3090:1965	Installation and Maintenance of Rolling Bearings Code of Practice first revision

7	PGD 13 (25210)	Self - Aligning Roller Bearings Part 2 Double Row Specification
8	PGD 13 (25229) Revision of: IS 10260:2017	Plain Bearings Terms Definitions Classification and Symbols Part 1 Design Bearing Materials and Their Properties Second Revision
9	PGD 13 (26113) Revision of: IS 16605:2018	Specification for Rolling Bearings Accessories Part 1 Dimensions for Adapter Sleeve Assemblies and Withdrawal Sleeves First revision
10	PGD 13 (26114) Revision of: IS 16605:2018	Specification for Rolling Bearings Accessories Part 2 Dimensions for Locknuts And Locking Devices First Revision
11	PGD 13 (26126) Revision of: IS 12102:1987	Specification for Tapered Roller Bearings First Revision
12	PGD 13 (26185) Revision of: IS 9619:1980	Identification Code for Shell Type Needle Bearings First Revision

Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	PGD 13 (26119) Revision of: IS 4216:1981	Cages for Needle Roller Bearings Specification First Revision

Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	PGD 13 (24930) Revision of: IS 4216:1981	Plain Bearings Hardness testing of bearing metals Part 1 Multilayer bearings materials First revision
2	PGD 13 (24932)	Mechanical Vibration Vibration of Rotating Machinery Equipped with Active Magnetic Bearings Part 1 Vocabulary
3	PGD 13 (24935)	Mechanical Vibration Vibration of Rotating Machinery Equipped with Active Magnetic Bearings Part 2 Evaluation of Vibration
4	PGD 13 (24938)	Mechanical Vibration Vibration of Rotating Machinery Equipped with Active Magnetic Bearings Part 3 Evaluation of Stability Margin
5	PGD 13 (24941)	Mechanical Vibration Vibration of Rotating Machinery Equipped with Active Magnetic Bearings Part 4 Technical Guidelines
6	PGD 13 (24945)	Mechanical Vibration Vibration of Rotating Machinery Equipped with Active Magnetic Bearings Part 5 Touch Down Bearings

Finalized Draft Indian Standard

SI. No.	Doc No.	Title
1	PGD 13 (23244) Revision of: IS 17267:2019	Rolling Bearings Methods for calculating the modified reference rating life for universally loaded bearings first Revision

Finalized Draft Indian Standards under Print

SI. No.	Doc No.	Title
1	PGD 13 (20011) Revision of: IS 6457:1972	SINGLE ROW CYLINDRICAL ROLLER BEARINGS SPECIFICATION
2	PGD 13 (23241) Revision of: IS 16478:2019	Plain Bearings Metallic Multilayer Plain Bearings Part 1 Non-Destructive Ultrasonic Testing of Bond of Thickness Greater than or Equal to 05 mm first revision
3	PGD 13 (24061)	Rolling Bearings Symbols for Physical Quantities
4	PGD 13 (24794) Revision of: IS 10260:2018	Plain Bearings Terms Definitions Classification and Symbols Part 3 Lubrication Second Revision
5	PGD 13 (24926) Revision of: IS 10260:1982	Plain Bearings Terms Definitions Classification and Symbols Part 2 Friction and Wear Second revision
6	PGD 13 (25581)	Plain Bearings Terms Definitions Classification and Symbols Part 4 Basic Symbols
7	PGD 13 (25582)	Plain Bearings Terms Definitions Classification and Symbols Part 5 Application of Symbols

Total Published Standards:71 Total Standards Under development:27

Aspect Wise Report

Product : 28
 Code of Practices : 7
 Methods of Test : 15
 Terminology : 6
 Dimensions : 17
 System Standard : 0
 Safety Standard : 0
 Others : 0
 Service Specification : 0
 Process Specification : 0
 Unclassified : 1

Annexure-I :List of Indian Standards Withdrawn/Superseded

Sl. No.	IS No. & Year	Title
1	IS 11027 : 1984 ISO 1132 Reviewed In : 2017 ISO 4378-3 : 2009	Definitions of Tolerances for Rolling Bearings
2	IS 11145 : 2002 ISO 6524 Reviewed In : 2018 ISO 6524 : 1992	Plain bearings - Thin - Walled half - Bearings - Checking of peripheral length First Revision
3	IS 14691 : 1999 Reviewed In : 2020	Rolling bearings - Taper rolling bearings - Tapered roller - Metric series - Specification
4	IS 1859 : 1961	Threads Cutting Dies
5	IS 1988 : 1962	Screwing Taps
6	IS 2398 : 1967 Reviewed In : 2020	Identification code for rolling bearings
7	IS 2898 : 1976 Reviewed In : 2016 ISO 3290 : 1975	Specification for steel balls for rolling bearings First Revision
8	IS 3230 : 1970	Reccommendation for Tapping Drill Sizes
9	IS 3824 (Part 1) : 1983 Reviewed In : 2006	Methods of evaluating dynamic load ratings of rolling bearings Part 1 Radial ball bearings
10	IS 3824 (Part 2) : 1983 Reviewed In : 2006	Methods of evaluating dynamic load ratings of rolling bearings Part 2 Radial roller bearings
11	IS 3824 (Part 3) : 1983 Reviewed In : 2006	Methods of evaluating dynamic load ratings of rolling bearings Part 3 Thrust ball bearings
12	IS 3824 (Part 4) : 1983 Reviewed In : 2006	Methods of evaluating dynamic load ratings of rolling bearings Part 4 Thrust roller bearings
13	IS 4025 : 2006 Reviewed In : 2020	Rolling bearings -- Gauging practice Second Revision
14	IS 4058 : 1967 Reviewed In : 1991	Code of practice for fire safety of industrial buildings viscose rayon yarn and or staple fibre plants First Revision
15	IS 4059 : 1967 Reviewed In : 1991	Accuracy requirements for medium quality medium speed gears
16	IS 4702 : 1968 Reviewed In : 1991	Accuracy requirements for high precision gears
17	IS 4725 : 1968 Reviewed In : 1991	Accuracy Requirements For Precision Gears
18	IS 4757 : 1980 Reviewed In : 2020 ISO 3547-1 : 2018	Specification for wrapped bushes First Revision
		Plain bearing Thin-walled half bearings with or without flange Part 3 Measurement of peripheral

19	IS 4773 (Part 3) : 2021 ISO 3548-3 ISO/IEC TR 23951 : 2020	length Adoption of ISO 3548-3 2012 Superseding IS 11145 1992
20	IS 5617 : 1970	Reccommendations for Tapping Drill Sizes for Fastening Pipe Threads
21	IS 5935 : 1992 Reviewed In : 2020 ISO 58753 : 1981	Radial internal clearances in unloaded radial rolling bearings First Revision
22	IS 6172 : 1979	Hand Taps for Pipe Threads Parallel
23	IS 6174 : 1971	Nut Screwing Tap for ISO Metric Screw Threads Coarse
24	IS 6548 : 1992 ISO 1224 Reviewed In : 2020 ISO 1224 : 1984	Rolling bearings - Instrument precision bearings First Revision
25	IS 6548 (Part 1) : 2016 ISO 1224-1 : 2007 Reviewed In : 2020 ISO 1224-1 : 2007	Rolling bearings - Instrument precision bearings Part 1 boundary dimensions tolerances and characteristics of metric series bearings Second Revision
26	IS 6548 (Part 2) : 2015 ISO 1224-2 : 2007 Reviewed In : 2020 ISO 1224-2:2007	Rolling bearings - Instrument precision bearings Part 2 boundary dimensions tolerances and characteristics of inch series bearings Second Revision
27	IS 6731 : 1977 Reviewed In : 2020 ISO 2982 : 1972	Specification for locknuts narrow series and lockwashers with straight inner tab for rolling bearings First Revision
28	IS 7460 : 1988 Reviewed In : 2019 ISO 492-1: 1986	Tolerances for tapered roller bearings First Revision
29	IS 7461 (Part 1) : 1993 Reviewed In : 2019 ISO 355 : 1977	General plan of - Boundary dimensions for tapered roller bearings Part 1 single row bearings Second Revision
30	IS 7461 (Part 2) : 1992 Reviewed In : 2019 ISO 355 : 1977	Generalplanofboundarydimensions for tapered roller bearings Part 2 double row bearings Second Revision
31	IS 7461 (Part 3) : 1992 Reviewed In : 2019 ISO 355 : 1977	General plan of boundary dimensions for tapered roller bearings Part 3 flanged cups Second Revision
32	IS 7796 : 1975	Hand Taps for Pipe Threads Taper
33	IS 7821 : 1975	Long Shank Machine Taps with Nominal Diameters from M3 to M24
34	IS 8656 : 1977 Reviewed In : 2016 ISO/R 113 : 1969	Specification for tapered adapter sleeves for rolling bearings
35	IS 8657 : 1977 Reviewed In : 2016 ISO/R 113 : 1969	Specification for tapered withdrawal sleeves for rolling bearings
36	IS 9169 : 1979	Dimensions for Thread Cutting Elements for Hand Taps and Machine Taps-serial

Annexure-II :List of Indian Product Standards

Sl. No.	IS No. & Year	Title
1	IS 10203 : 1982 Reviewed In : 2023 Reaffirmed but not taken up for revision	Technical supply conditions for thin - Walled plain bearings

2	IS 11904 : 2023 ISO 464 : 2015	Rolling bearings Radial bearings with locating snap ring Dimensions geometrical product specifications GPS and tolerance values
3	IS 12102 : 1987 Reviewed In : 2023	Specification for tapered roller bearings
4	IS 14347 : 1996 Reviewed In : 2023	Plummer block housings - Specification
5	IS 14478 : 1997 Reviewed In : 2018 Reaffirmed but not taken up for revision	Plain bearings - Thick - Walled bushes plain and flange type full - Round without any joint or slit - Specification
6	IS 15620 : 2019 ISO 4383 : 2012 Reviewed In : 2024 ISO 4383 : 2012	Plain Bearings Multilayer Materials for Thin-Walled Plain Bearing First Revision
7	IS 15624 : 2005 ISO 6691 : 200 Reviewed In : 2020 ISO 6691 : 2000	Thermoplastic polymers for plain bearings - Classification and designation
8	IS 16298 : 2024 ISO 6280 : 2018	Plain Bearings Requirements and Guidance on Backings for Thick-Walled Multilayer Bearings First Revision
9	IS 2898 (Part 1) : 2019 ISO 3290-1 : 2014 ISO 3290-1 : 2014	Rolling bearings -- Balls Part 1 Steel balls Second Revision
10	IS 2898 (Part 2) : 2019 ISO 3290-2 : 2014 ISO 3290-2 : 2014	Rolling bearings -- Balls Part 2 Ceramic balls
11	IS 3823 : 2014 ISO 76 : 2006 Reviewed In : 2023 ISO 76 : 2006	Rolling bearings -- Static load ratings Third Revision
12	IS 3824 : 2014 ISO 281 : 2007 Reviewed In : 2023 ISO 281 : 2007	Rolling bearings -- Dynamic load ratings and rating life Third Revision
13	IS 3980 : 1982 Reviewed In : 2020 Reaffirmed but not taken up for revision ISO 2795 : 1979	Specification for porous metal powder oil -- Impregnated bearings First Revision
14	IS 4215 : 1983 Reviewed In : 2020 Reaffirmed but not taken up for revision	Specification for ring type needle bearings First Revision
15	IS 4216 : 1981 Reviewed In : 2016	Specification for needle cages First Revision
16	IS 4217 : 2020 ISO 3096 : 2018	Rolling bearings -- Needle rollers -- Specification Second Revision
17	IS 4757 (Part 4) : 2020 ISO 3547-4 : 2017 ISO 3547-4 : 2017	Plain bearings -- Wrapped bushes Part 4 Materials Second Revision
18	IS 4773 : 2017 ISO 113 : 2010 Reviewed In : 2023 ISO 113	Rolling bearings - Plummer block housings - Boundary dimensions Third Revision
19	IS 4774 (Part 1) : 2023	Plain bearings Thin-walled half bearings with or without flange Part 1 Tolerance design features and methods of test
20	IS 6454 : 1972	Specification for self - Aligning roller bearings

	Reviewed In : 2016	
21	IS 6455 : 2020	Single Row Deep Groove Ball Bearings Specification First Revision
22	IS 6456 : 1972 Reviewed In : 2016	Specification for double row radial ball bearings
23	IS 6457 : 1972 Reviewed In : 2023	Specification for single row cylindrical roller bearings
24	IS 6458 : 1972 Reviewed In : 2020	Specification for double row cylindrical roller bearings
25	IS 9202 : 2020 ISO 12297 : 2012	Rolling Bearings Cylindrical Rollers Specification First Revision
26	IS 9619 : 1980 Reviewed In : 2023	Identification code for shell type needle bearings Including Sealed Bearing
27	IS 9764 (Part 1) : 2022 ISO 6612:1980	Plain bearings Ring type thrust washers made from strip Dimensions and tolerances
28	IS 9764 (Part 2) : 2022 ISO/IEC 11801-3 : 2021	Plain bearings Pressed bimetallic half thrust washers Features and tolerances