

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): Color define the principle of the control of the cont

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	Technical supply conditions for	May, 2023	-	Indigenous
	Reviewed In: 2023	thin - Walled plain bearings			
	Reaffirmed but not				
	taken up for revision				
2		Plain bearings - Terms, definitions,	November, 2021	-	Identical under dual
	2017	classification and symbols: Part 1			numbering
	ISO 4378-1 : 2009	design, bearing materials and their			
	Reviewed In: 2021	properties (First Revision)			
	ISO 4378-1				
3	IS 10260 (Part 2):	Terms, definitions and	June, 2020	-	Identical under dual
	1982	classification of plain - Bearing:			numbering
	Reviewed In: 2020	Part 2 friction and wear			
	ISO 4378-2:2017				
4	IS 10260 (Part 2):	Plain Bearings Terms Definitions		-	Identical under dual
	2024	Classification and Symbols Part 2			numbering
	ISO 4378-2:2017	Friction and Wear Second revision			
	ISO 4378-2:2017				
5	IS 10260 (Part 3):	Plain bearings - Terms, definitions,	March, 2024	-	Identical under dual
	2018	classification and symbols: Part 3			numbering
	ISO 4378-3 : 2009	lubrication (First Revision)			
	Reviewed In: 2024				
	ISO 4378-3:2017				
6	IS 10260 (Part 3):	Plain Bearings � Terms,		-	Identical under dual

I	l 2024	Definitions Classification and		1	I
	2024	Definitions, Classification and			numbering
	ISO 4378-3:2017 ISO 4378-3:2017	Symbols Part 3 Lubrication (Second Revision)			
7	IS 10260 (Part 4):	Plain Bearings � Terms,			Identical under dual
'	2024	Definitions, Classification and		_	numbering
	ISO 4378-4:2009	Symbols Part 4 Basic Symbols			numbering
	ISO 4378-4:2009	Symbols I art 4 Basic Symbols			
8	IS 10260 (Part 5):	Plain Bearings ï;½ Terms		_	Identical under dual
	2024	Definitions Classification and			numbering
	ISO 4378-5:2009	Symbols Part 5 Application of			indinioening
	ISO 4378-5:2009	Symbols			
9	IS 10648 : 1983	Code for identification of ring type	June, 2020	_	Indigenous
	Reviewed In: 2020	needle bearings Including Sealed	5 dine, 2020		
	Reaffirmed but not	Bearings			
	taken up for revision	· ·			
	taken up 101 fevision				
10	IS 11027 (Part 1):	Rolling Bearing â€" Tolerances	May, 2023	-	Identical under dual
	2019	Part 1 Terms and Definitions (3 /		numbering
	ISO 1132-1 : 2000	First Revision)			
	Reviewed In: 2023	,			
	ISO 1132-1 : 2000				
11		Rolling Bearing - Tolerances Part 2	May, 2023	-	Identical under dual
	2018	Meauring and Gauging Principles			numbering
	ISO 1132-2 : 2001	and Methods			
	Reviewed In: 2023				
	ISO 1132-2 : 2001				
12	IS 11904 : 2023	Rolling bearings Radial bearings		-	Identical under dual
	ISO 464 : 2015	with locating snap ring Dimensions			numbering
	ISO 464 : 2015	geometrical product specifications			
		GPS and tolerance values			
13	IS 12102 : 1987	Specification for tapered roller	January, 2023	-	Indigenous
	Reviewed In: 2023	bearings			
14	IS/ISO 12297-1:	Rolling Bearings — Cylindrical		-	Identical under single
	2021	Rollers Part 1 Boundary			numbering
		Dimensions, Geometrical Product			
	ISO 12297-1 : 2021	1 , ,			
		Tolerance Values for Steel Rollers			
1.5	YG 17G 0 12G 7	(First Revision)			**
15	IS/ISO 12297-2:	Rolling bearings Cylindrical rollers		-	Identical under single
	2018	Part 2: Boundary Dimensions			numbering
1	ISO 12297-2 : 2018				
	130 12297-2 : 2018	Specifications GPS and Tolerance			
16	IS 13405 : 2018	Values for Ceramic Rollers Rolling bearings - Cylindrical roller	May, 2023	+	Identical under dual
10	ISO 246 : 2007	bearings, separate thrust collars -	1v1ay, 2023	_	numbering
	Reviewed In : 2023	Boundary dimensions (Second			numbering
	ISO 246 : 2007	Revision)			
17	IS 13406 : 2024	Rolling Bearings Radial Ball		 -	Identical under dual
1 '	ISO 8443 : 2022	Bearings with Flanged Outer Ring			numbering
1	ISO 8443 : 2022	Flange Dimensions (second			
	155 5115 . 2022	revision)			
18	IS 13962 : 2018	Rolling bearings - Tapered roller	May, 2023	1	Identical under dual
	ISO 10317 : 2008	bearings - Designation system	•		numbering
	Reviewed In: 2023	(First Revision)			
L	ISO 10317 : 2008			<u> </u>	
19	IS 14347 : 1996	Plummer block housings -	January, 2023	-	Indigenous
	Reviewed In: 2023	Specification			
20	IS 14478 : 1997	Plain bearings - Thick - Walled	August, 2023	-	Indigenous
	Reviewed In: 2023	bushes, plain and flange type, full -			
1	ı	ı		•	I

1	Reaffirmed but not	Round (without any joint or slit) -		I	1
	taken up for revision				
	taken ap 101 10 (1810)	Specification			
21	IS 14802 (Part 1):	Plain bearings - Hardness testing of	May, 2020	-	Identical under dual
	2000	bearing metals: Part 1			numbering
	ISO 4384-1	compoundmaterials			
	Reviewed In: 2020				
	ISO 4384-1 : 1982				
22	IS 14802 (Part 2):	Hardness Testing Of Bearing		-	Identical under dual
	2024	Metals â€" Plain Bearings Part 2			numbering
	ISO 4384-2 : 2022	Solid Materials (Second Revision)			
23	ISO 4384-2 : 2022 IS 14803 (Part 1) :	Plain bearings Tolerances Part 1:			Identical under dual
23	2022	Fits		· -	numbering
	ISO 12129-1 :2019	1105			numbering
	ISO 12129-1 :2019				
24	IS 14803 (Part 2):	Plain bearings Tolerances Part 2:		_	Identical under dual
-	2022	Tolerances on form and position			numbering
	ISO 12129-2 : 2019	and surface roughness for shafts			1
	ISO 12129-2 : 2019	_			
25	IS 15620 : 2019	Plain Bearings — Multilayer	April, 2024	-	Identical under dual
	ISO 4383 : 2012	Materials for Thin-Walled Plain			numbering
	Reviewed In: 2024	Bearing (First Revision)			
	ISO 4383 : 2012				
26	IS 15624 : 2005	Thermoplastic polymers for plain	June, 2020	-	Identical under dual
	ISO 6691 : 200	bearings - Classification and			numbering
	Reviewed In: 2020	designation			
L	ISO 6691 : 2000				
27	IS 15625 : 2022	Plain bearings Lubrication holes		-	Identical under dual
	ISO 12128 : 2020	grooves and pockets Dimensions			numbering
	ISO 12128 : 2020	types designation and their			
28	IS 16298 : 2024	application to bearing bushes Plain Bearings â€" Requirements			Identical under dual
20	ISO 6280 : 2018	and Guidance on Backings for		-	numbering
	ISO 6280 : 2018	Thick-Walled Multilayer Bearings			numbering
	150 0200 . 2010	(First Revision)			
29	IS 16478 (Part 1):	Plain Bearings � Metallic		_	Identical under dual
	2024	Multilayer Plain Bearings Part 1			numbering
	ISO 4386-1 : 2019	Non-Destructive Ultrasonic Testing			
	ISO 4386-1:2019	of Bond of Thickness Greater than			
		or Equal to 05 mm (first revision)			
30	IS 16478 (Part 2):	Plain Bearings â€" Metallic		-	Identical under dual
	2024	Multilayer Plain Bearings Part 2			numbering
	ISO 4386-2 : 2019	Destructive Testing of Bond for			
	ISO 4386-2 : 2019	Bearing Metal Layer Thicknesses			
		Greater than or Equal to 2 mm			
31	IC 16479 (Dant 2)	(First Revision)		<u> </u>	Identical under dual
) 31	IS 16478 (Part 3): 2023	Plain bearings Metallic multilayer plain bearings Part 3 : Non-		-	
	ISO 4386-3 : 2018	destructive penetrant testing			numbering
	ISO 4386-3 : 2018	destructive penetralit testing			
32		Rolling bearings Accessories Part 1		-	Identical under dual
	2018	: Dimensions for adapter sleeve			numbering
	ISO 2982-1:20132-1	assemblies and withdrawal sleeves			
	ISO 2982-1:20132-1				
33	IS 16605 (Part 2):	Rolling Bearings â€" Accessories		-	Identical under dual
	2018	Part 2 Dimensions for Locknuts			numbering
	ISO 2982-2 : 2013	and Locking Devices			
	ISO 2982-2 : 2013				
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34		Rolling Bearings — Needle Rollers		-	Identical under dual
	ISO 3096 : 2018	— Boundary Dimensions,			numbering
	ISO 3096 : 2018	Geometrical Product			
		Specifications (GPS) and			
25	IC 17126 - 2024	Tolerance Values (First Revision)			The stantanton design
35	IS 17126 : 2024	Plain Bearings â€" Tin Casting		-	Identical under dual
	ISO 4381 : 2011	Alloys for Multilayer Plain			numbering
26	ISO 4381 : 2011	Bearings (First Revision)			
36	IS 17267 : 2019	Rolling Bearings - Methods for		-	Identical under dual
	ISO/TS 16281 :	Calculating the Modified			numbering
	2008	References Rating Life for			
27	ISO 16281 : 2008	Universally Loaded Bearings	M 2022		The Alexander deed
37	IS 17276 : 2019	Rolling Bearings - Damage and	May, 2023	-	Identical under dual
	ISO 15243 : 2017	Failures - Terms, Characteristics			numbering
	Reviewed In : 2023	and Causes			
20	ISO 15243 : 2017	Delling bearings Maiss testing of			Identical and dead
38	IS 18379 (Part 1):	Rolling bearings Noise testing of		-	Identical under dual
	2023	rolling bearing greases Part 1:			numbering
	ISO 21250-1 : 2020	Basic principles testing assembly			
20	ISO 21250-1 : 2020 IS 18392 : 2024	and test machine			Identical under dual
39	ISO 24393 : 2008	Rolling bearings Linear motion		-	
	ISO 24393 : 2008 ISO 24393 : 2008	rolling bearings Vocabulary			numbering
40	IS 18761 : 2024	Rolling Bearings Symbols for			Identical under dual
40	ISO 15241 : 2012	Physical Quantities		-	
	ISO 15241 : 2012 ISO 15241 : 2012	Filysical Qualitities			numbering
41	IS 2399 : 2024	Rolling Bearings - Vocabulary (Identical under dual
41	ISO 5593 : 2023	Third Revision)		-	numbering
	ISO 5593 : 2023	Tillia Revision)			numbering
42	IS 2898 (Part 1):	Rolling bearings Balls: Part 1			Identical under dual
7-2	2019	Steel balls (Second Revision)		_	numbering
	ISO 3290-1 : 2014	Steel bans (Second Revision)			numbering
	ISO 3290-1 : 2014				
43	IS 2898 (Part 2):	Rolling bearings Balls: Part 2		_	Identical under dual
	2019	Ceramic balls			numbering
	ISO 3290-2 : 2014	Coramic bans			nameering
	ISO 3290-2 : 2014				
44	IS 3090 : 1965	Code of practice for installation	July, 2017	-	Indigenous
	Reviewed In: 2017	and maintenance of rolling	, , , , , , , , , , , , , , , , , , ,		8. 2
		bearings			
45	IS 3823 : 2014	Rolling bearings Static load	May, 2023	-	Identical under dual
	ISO 76 : 2006	ratings (Third Revision)	3 / -		numbering
	Reviewed In: 2023				
	ISO 76 : 2006				
46	IS 3824 : 2014	Rolling bearings Dynamic load	January, 2023	-	Identical under dual
	ISO 281 : 2007	ratings and rating life (Third	•		numbering
	Reviewed In: 2023	Revision)			
	ISO 281: 2007	, , , , , , , , , , , , , , , , , , ,			
47	IS 3980 : 1982	Specification for porous metal	June, 2020	1	Not Equivalent
	Reviewed In: 2020	powder oil Impregnated bearings			
	Reaffirmed but not	(First Revision)			
	taken up for revision				
	ISO 2795 : 1979			<u> </u>	
48	IS 4215 : 1983	Specification for ring type needle	June, 2020	-	Indigenous
	Reviewed In: 2020	bearings (First Revision)			
	Reaffirmed but not				
	taken up for revision				
49	IS 4216 : 1981	Specification for needle cages	May, 2021	1	Indigenous
1	ı			1	1

	Reviewed In : 2021 Decision taken to Reaffirm and Archive	(First Revision)			
50		Rolling bearings Needle rollers Specification (Second Revision)	-	-	Not Equivalent
51	IS 4757 (Part 1): 2020	Plain bearings Wrapped bushes: Part 1 Dimensions (Second Revision)		-	
52	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
53	IS 4757 (Part 3): 2020 ISO 3547-3: 2017 ISO 3547-3: 2017	Plain bearings Wrapped bushes: Part 3 Lubrication holes, grooves and indentations (Second Revision)		-	Identical under dual numbering
54	IS 4757 (Part 4):	Plain bearings Wrapped bushes: Part 4 Materials (Second Revision)		-	Identical under single numbering
55	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
56	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
57	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
58	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
59	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
60	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
61	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
62	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
63	IS 5692 : 2024 ISO 492 : 2023 ISO 492 : 2023	Rolling Bearings â€" Radial Bearings â€" Geometrical Product Specifications (GPS) and		-	Identical under dual numbering

	1	1	Tolerance Values (Third Revision)		I	I
Ro 104 : 2015 Pain (Second Revision) Reviewed In : 2023 Pain (Second Revision) Pain (S	64	IS 5932 : 2019		May, 2023	-	Identical under dual
Reviewed In : 2023 Plan (Second Revision)		ISO 104 : 2015		,		
S 18 5933 2024 Saling Bearings &C Thrust School School Searings &C Commercial Product Specifications (CPS) and Tolerance Values (Fifth Revision) December, 2022 Identical under of numbering Specifications (CPE) and Tolerance Values (Fifth Revision) December, 2022 Identical under of numbering Specification (Second Revision) Specification (Second Re		Reviewed In: 2023				
ISO 199 : 2023		ISO 104				
ISO 199 : 2023 Specifications (GPS) and Tolerance Values (Fifth Revision)	65	IS 5933 : 2024	Rolling Bearings â€" Thrust		-	Identical under dual
Tolerance Values (Fifth Revision)		ISO 199: 2023	Bearings â€" Geometrical Product			numbering
Rolling bearings - Chamfer December, 2022 - Identical under of numbering ISO 582-1995 Reviewed In : 2025 Specification (Second Revision) Rolling bearings - Internal clearance: Part I Radial internal clearance for Gure - Point - Contact Reviewed In: 2023 Sis 5753-1: 2010 Sal bearings Internal clearance for Gure - Point - Contact Reviewed In: 2023 Specification for self - Aligning roller bearings May, 2021 Indigenous Reviewed In: 2021 Decision taken to Reaffirm and Archive Single Row Deep Groove Ball Bearings - Specification (First Reviewed In: 2023 Specification for double row radial bearings Specification for double row radial hearings Specification for double row radial hearings Specification for double row cylindrical roller bearings Specification for specification (First Specification for specifi		ISO 199: 2023	` ′			
Rol S82-1995			` '			
Reviewed In : 2022 Specification (Second Revision)	66		e e	December, 2022	-	Identical under dual
ISO 582: 1995 Rolling bearings Internal clearance: Part 1 Radial internal clearance: Part 1 Radial internal clearance: Part 2 Radial internal clearance: Part 3 Radial internal clearance: Part 2 Radial internal spot 5753-1: 2009 Reviewed In: 2023 Rolling bearings Internal clearance: Part 2 axial internal reviewed In: 2020 Reviewed In: 2021 Reviewed In: 2023 Reviewed In: 2024 Reviewed In: 2025 Reviewed In: 2025 Reviewed In: 2025 Reviewed In: 2026 Reviewed In: 2026 Reviewed In: 2027 Reviewed In: 2027 Reviewed In: 2028 Reviewed In: 2028 Reviewed In: 2029 Reviewed In: 2020 Reviewed In:						numbering
15 5935 (Part 1): 2019			Specification (Second Revision)			
Color						
ISO 5753-1: 2009 Clearance for radial bearings (Second Revision)	67			May, 2023	-	
Reviewed In : 2023 (Second Revision)						numbering
ISO 5753-1 : 2009			_			
Rolling bearings - Internat Sp Sp Sp Sp Sp Sp Sp S			(Second Revision)			
Clearance: Part 2 axial internal Clearance: Part 2 axial internal Clearance for four - Point - Contact Screwwed In: 2023 Screwwed In: 2020 Screwwed In: 2020 Technical supply conditions for rolling bearings Technical supply conditions for rolling bearings Screwwed In: 2020 Technical supply conditions for rolling bearings May, 2021 Indigenous Reviewed In: 2021 Decision taken to Reaffirm and Archive Single Row Deep Groove Ball Bearings - Specification (First Revision) Specification for double row radial ball bearings Specification for double row radial hand archive Specification for single row cylindrical roller bearings Specification for single row cylindrical roller bearings Specification for single row cylindrical roller bearings Specification for double row radial hand archive Specification for single row cylindrical roller bearings Specification for double row radial hand roller bearings Specification for single row cylindrical roller bearings Specification for double row radial hand roller bearings Specification for double row cylindrical roller bearings Specification for double row radial hand roller bearings Specification for double row radi	69		Delling heavings Internal	Mar. 2022		Identical and dual
ISO 5753-2 : 2010 Reviewed In : 2023 Specification for self - Aligning Facility Facility	08			way, 2023	_	
Reviewed In : 2023 ball bearings IS 6453 : 1984 Technical supply conditions for rolling bearings Reviewed In : 2020 Technical supply conditions for rolling bearings Technical supply conditions for supply conditions fo			1			numbering
So 5753-2 : 2010			1			
69 IS 6453: 1984 Reviewed In: 2020 Technical supply conditions for rolling bearings June, 2020 1 Indigenous 70 IS 6454: 1972 Reviewed In: 2021 Decision taken to Reaffirm and Archive Specification for self - Aligning roller bearings May, 2021 1 Indigenous 71 IS 6455: 2020 Single Row Deep Groove Ball Bearings — Specification (First Revision) - - Indigenous 72 IS 6456: 1972 Reviewed In: 2021 Decision taken to Reaffirm and Archive Specification for double row radial ball bearings May, 2021 1 Indigenous 73 IS 6457: 1972 Reviewed In: 2023 Cylindrical roller bearings Specification for single row cylindrical roller bearings January, 2023 1 Indigenous 74 IS 6457: 2024 Reviewed In: 2023 Reviewed In: 2020 Reviewed In: 2020 Rolling Bearings â€" Tapered Indigenous Reviewed In: 2023 Reviewed In: 2024 Rolling Bearings â€" Boundary Indigenous Reviewed In: 2023 Reviewed In: 2023 Reviewed In: 2023 Reviewed In: 2023 Reviewed In: 2024 Reviewed In: 2023 Reviewed In: 2024 Reviewed In: 2025 Reviewed In: 2024 Reviewed In: 2024 Reviewed In: 2024 Reviewed In: 2024 Reviewed In: 2025 Reviewed In: 2025 Reviewed In: 2020 Reviewed In: 2020 Reviewed In: 2020 Reviewed In: 2020 Reviewed In: 2020 Reviewed In: 2020 Reviewed In: 2020 Rev			ban bearings			
Reviewed In : 2020	60		Technical supply conditions for	June 2020	1	Indigenous
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Reviewed In : 2021 Decision taken to Reaffirm and Archive	70			May. 2021	1	Indigenous
Decision taken to Reaffirm and Archive	, ,			1/14/		inaigeness
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Archive 71						
Bearings — Specification (First Revision)						
Revision Revision Revision Revision Revision Revision Revision Reviewed In : 2021 Decision taken to Reaffirm and Archive Reviewed In : 2023 Specification for single row cylindrical roller bearings Particular Parti	71	IS 6455 : 2020	Single Row Deep Groove Ball	-	-	Indigenous
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Reviewed In : 2021 Decision taken to Reaffirm and Archive 73			· · · · · · · · · · · · · · · · · · ·			
Decision taken to Reaffirm and Archive 73	72		1	May, 2021	1	Indigenous
Reaffirm and Archive Specification for single row cylindrical roller bearings January, 2023 1 Indigenous 73 IS 6457 : 1972 Reviewed In : 2023 SINGLE ROW CYLINDRICAL ROLLER BEARINGS SPECIFICATION - Indigenous 74 IS 6457 : 2024 ROLLER BEARINGS SPECIFICATION SPECIFICATION - Indigenous 75 IS 6458 : 1972 Reviewed In : 2020 Cylindrical roller bearings Specification for double row cylindrical roller bearings June, 2020 1 Indigenous 76 IS 7461 : 2024 ISO 355 : 2019 Dimensions and Series Designations (Fourth Revision) - Identical under double row cylindrical roller bearings — Boundary numbering - Not Equivalen 77 IS 9202 : 2020 Rolling Bearings and Series Designations (Fourth Revision) - - Not Equivalen 78 IS 9619 : 1980 Reviewed In : 2023 Reviewed In : 2023 Reviewed In : 2023 Reviewed In : 2022 Revision (Fourth Revision) January, 2023 Reviewed In : 2023 Reviewed In : 2022 Revision (Fourth Revision) - Identical under double row numbering 79 IS 9764 (Part 1) : 2022 Revision (Part I) : 2			ball bearings			
Archive 73						
73 IS 6457: 1972 Reviewed In: 2023 Specification for single row cylindrical roller bearings January, 2023 1 Indigenous 74 IS 6457: 2024 SINGLE ROW CYLINDRICAL ROLLER BEARINGS SPECIFICATION - Indigenous 75 IS 6458: 1972 Reviewed In: 2020 Specification for double row cylindrical roller bearings Rolling Bearings — Tapered Roller Bearings — Boundary Dimensions and Series Designations (Fourth Revision) - Identical under d numbering 77 IS 9202: 2020 Rolling Bearings — Cylindrical Rollers — Specification (First Revision) - Not Equivalen 78 IS 9619: 1980 Reviewed In: 2023 Identification code for shell type needle bearings (Including Sealed Bearing) January, 2023 - Indigenous 79 IS 9764 (Part 1): 2022 ISO 6525: 1983 Plain bearings Ring type thrust washers made from strip Dimensions and tolerances - Identical under d numbering						
Reviewed In : 2023 Cylindrical roller bearings Cylindrical roller bearings	72		6	1 2022	1	T 1'
74 IS 6457 : 2024 SINGLE ROW CYLINDRICAL ROLLER BEARINGS SPECIFICATION - Indigenous 75 IS 6458 : 1972 Reviewed In : 2020 Specification for double row cylindrical roller bearings June, 2020 1 Indigenous 76 IS 7461 : 2024 ISO 355 : 2019 I	13			January, 2023	1	indigenous
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SPECIFICATION 75 IS 6458: 1972 Reviewed In: 2020 cylindrical roller bearings Specification for double row cylindrical roller bearings June, 2020 1 Indigenous 76 IS 7461: 2024 ISO 355: 2019 Roller Bearings â€" Boundary ISO 355: 2019 Dimensions and Series Designations (Fourth Revision) - Identical under double row cylindrical numbering 77 IS 9202: 2020 Rolling Bearings — Cylindrical Rollers — Specification (First ISO 12297: 2012 Revision) - Not Equivalen 78 IS 9619: 1980 Reviewed In: 2023 needle bearings (Including Sealed Bearing) January, 2023 - Indigenous - Indigenous 79 IS 9764 (Part 1): 2022 washers made from strip ISO 6525: 1983 Dimensions and tolerances - Identical under double row cylindrical numbering - - Identical under double row numbering	/4	13 043 / . 2024			Ī -	margenous
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			-			numbering
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	80	15 9/64 (Part 2):	Plain bearings Pressed bimetallic		-	Modified/Technically

2022 half thrust washers Features and ISO 6526 : 2017 tolerances Equivalent

Standards under Development

	Projects Approved				
SI. No.	SI. No. Doc No. Title				
	No Records Found				

		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
13	PGD 13 (27055) Revision of: IS 2898:2019	Rolling Bearings Part 1 Steel Balls Third revision
14	PGD 13 (27057) Revision of: IS 2898:2019	Rolling Bearings Part 2 Ceramic Balls First Revision

	Drafts Standards in WC Stage				
SI. No.	SI. No. Doc No. Title				
No Records Found					

	Draft Standards Completed WC Stage				
SI. No.	SI. No. Doc No. Title				
1	PGD 13 (26119)	Cages for Needle Roller Bearings Specification First Revision			

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

		Finalized Draft Indian Standards under Print
SI. No.	Doc No.	Title
1	PGD 13 (24930) Revision	Plain Bearings Hardness testing of bearing metals Part 1 Multilayer bearings materials first
	of: IS 14802:2000	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

Total Published Standards:71 Total Standards Under development:22

Aspect Wise Report

Product: 28

Code of Practices: 7

Methods of Test: 15

Terminology: 9

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

SI. No.	IS No. & Year	Title
1	IS 11027 : 1984	Definitions of Tolerances for Rolling Bearings
	ISO 1132	
	Reviewed In: 2017 ISO	
	4378-3 : 2009	
2	IS 11145 : 2002	Plain bearings - Thin - Walled half - Bearings - Checking of peripheral length First Revision
	ISO 6524	
	Reviewed In: 2018 ISO	
	6524 : 1992	
3	IS 14691 : 1999	Rolling bearings - Taper rolling bearings - Tapered roller - Metric series - Specification
	Reviewed In: 2020	
4	IS 1859 : 1961	Threads Cutting Dies
5	IS 1988 : 1962	Screwing Taps
6	IS 2398 : 1967	Identification code for rolling bearings
	Reviewed In: 2020	
7	IS 2898 : 1976	Specification for steel balls for rolling bearings First Revision
	Reviewed In: 2016 ISO	
	3290 : 1975	
8	IS 3230 : 1970	Reccommendation for Tapping Drill Sizes
9	IS 3824 (Part 1): 1983	Methods of evaluating dynamic load ratings of rolling bearings Part 1 Radial ball bearings
	Reviewed In: 2006	
10	IS 3824 (Part 2): 1983	Methods of evaluating dynamic load ratings of rolling bearings Part 2 Radial roller bearings

	Reviewed In: 2006	
11	IS 3824 (Part 3) : 1983	Methods of evaluating dynamic load ratings of rolling bearings Part 3 Thrust ball bearings
	Reviewed In: 2006	The mode of the manning of manner to an interest of the manner of the ma
12	IS 3824 (Part 4): 1983	Methods of evaluating dynamic load ratings of rolling bearings Part 4 Thrust roller bearings
	Reviewed In: 2006	5
	IS 4025 : 2006	Rolling bearings Gauging practice Second Revision
14	Reviewed In: 2020	Rolling bearings Cauging practice second revision
	IS 4058 : 1967	Code of practice for fire safety of industrial buildings viscose rayon yarn and or staple fibre plants
17	Reviewed In: 1991	First Revision
15	IS 4059 : 1967	Accuracy requirements for medium quality medium speed gears
13	Reviewed In: 1991	Accuracy requirements for inection quanty medium speed gears
16	IS 4702 : 1968	Accuracy requirements for high precision gears
10	Reviewed In : 1991	Accuracy requirements for high precision gears
17	IS 4725 : 1968	Accuracy Requirements For Precision Gears
17	Reviewed In : 1991	Accuracy requirements For Freeision Gears
18	IS 4757 : 1980	Specification for wrapped bushes First Revision
10	Reviewed In : 2020 ISO	Specification for wrapped busiles First Revision
19	3547-1 : 2018	District of This will all all the size of
19	IS 4773 (Part 3): 2021	Plain bearing Thin-walled half bearings with or without flange Part 3 Measurement of peripheral
	ISO 3548-3	length Adoption of ISO 3548-3 2012 Superseding IS 11145 1992
20	ISO/IEC TR 23951 : 2020	
20	IS 5617 : 1970	Recconmendations for Tapping Drill Sizes for Fastening Pipe Threads
21	IS 5935 : 1992	Radial internal clearances in unloaded radial rolling bearings First Revision
	Reviewed In: 2020 ISO	
	58753 : 1981	
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	Dell'or bestiere. To demonstrate les des Piert Desiries
24	ISO 1224	Rolling bearings - Instrument precision bearings First Revision
	Reviewed In : 2020 ISO	
25	1224 : 1984 IS 6548 (Part 1) : 2016	Rolling bearings - Instrument precision bearings Part 1 boundary dimensions tolerances and
23	` /	
	ISO 1224-1 : 2007	characteristics of metric series bearings Second Revision
	Reviewed In: 2020 ISO	
26	1224-1 : 2007	
26	IS 6548 (Part 2): 2015	Rolling bearings - Instrument precision bearings Part 2 boundary dimensions tolerances and
	ISO 1224-2 : 2007	characteristics of inch series bearings Second Revision
	Reviewed In: 2020 ISO	
27	1224-2:2007	Constitution Control and a constant of the control
27	IS 6731 : 1977	Specification for locknuts narrow series and lockwashers with straight inner tab for rolling
	Reviewed In: 2020 ISO	bearings First Revision
20	2982 : 1972	
28	IS 7460 : 1988	Tolerances for tapered roller bearings First Revision
	Reviewed In: 2019 ISO	
20	492-1: 1986	
29	IS 7461 (Part 1): 1993	General plan of - Boundary dimensions for tapered roller bearings Part 1 single row bearings
	Reviewed In: 2019 ISO 355	Second Revision
20	: 1977	
30	IS 7461 (Part 2): 1992	Generalplanofboundarydimensions for tapered roller bearings Part 2 double row bearings Second
	Reviewed In: 2019 ISO 355	Revision
	: 1977	
31	IS 7461 (Part 3): 1992	General plan of boundary dimensions for tapered roller bearings Part 3 flanged cups Second
	Reviewed In: 2019 ISO 355	Revision
	: 1977	
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

SI. No.	IS No. & Year	Title
1	IS 10203 : 1982	Technical supply conditions for thin - Walled plain bearings
	Reviewed In: 2023	6
	Reaffirmed but not taken up	
	for revision	
2	IS 11904 : 2023	Rolling bearings Radial bearings with locating snap ring Dimensions geometrical product
	ISO 464 : 2015	specifications GPS and tolerance values
3	IS 12102 : 1987	Specification for tapered roller bearings
	Reviewed In: 2023	
4	IS 14347 : 1996	Plummer block housings - Specification
	Reviewed In: 2023	
5	IS 14478 : 1997	Plain bearings - Thick - Walled bushes plain and flange type full - Round without any joint or slit -
	Reviewed In: 2023	Specification
	Reaffirmed but not taken up	
	for revision	
6	IS 15620 : 2019	Plain Bearings Multilayer Materials for Thin-Walled Plain Bearing First Revision
	ISO 4383 : 2012	
	Reviewed In: 2024 ISO	
	4383 : 2012	
7	IS 15624 : 2005	Thermoplastic polymers for plain bearings - Classification and designation
	ISO 6691 : 200	
	Reviewed In: 2020 ISO	
	6691 : 2000	
8	IS 16298 : 2024	Plain Bearings Requirements and Guidance on Backings for Thick-Walled Multilayer Bearings
	ISO 6280 : 2018	First Revision
9	IS 2898 (Part 1): 2019	Rolling bearings Balls Part 1 Steel balls Second Revision
	ISO 3290-1 : 2014	Rolling searings Built I steel state second Revision
	ISO 3290-1 : 2014	
10	IS 2898 (Part 2) : 2019	Rolling bearings Balls Part 2 Ceramic balls
	ISO 3290-2 : 2014	
	ISO 3290-2 : 2014	
11	IS 3823 : 2014	Rolling bearings Static load ratings Third Revision
	ISO 76 : 2006	
	Reviewed In: 2023 ISO 76:	
	2006	
12	IS 3824 : 2014	Rolling bearings Dynamic load ratings and rating life Third Revision
	ISO 281 : 2007	
	Reviewed In: 2023 ISO 281	
	: 2007	
13	IS 3980 : 1982	Specification for porous metal powder oil Impregnated bearings First Revision
	Reviewed In: 2020	
	Reaffirmed but not taken up	
	for revision ISO 2795 :	
	1979	

14	IS 4215 : 1983	Specification for ring type needle bearings First Revision
	Reviewed In: 2020	
	Reaffirmed but not taken up	
	for revision	
15	IS 4216 : 1981	Specification for needle cages First Revision
	Reviewed In: 2021	
	Decision taken to Reaffirm	
	and Archive	
16	IS 4217 : 2020	Rolling bearings Needle rollers Specification Second Revision
	700 000 0000	
	ISO 3096 : 2018	
17	IS 4757 (Part 4): 2020	Plain bearings Wrapped bushes Part 4 Materials Second Revision
	ISO 3547-4 : 2017	
	ISO 3547-4 : 2017	
18	IS 4773 : 2017	Rolling bearings - Plummer block housings - Boundary dimensions Third Revision
	ISO 113 : 2010	
10	Reviewed In : 2023 ISO 113	
19	IS 4774 (Part 1): 2023	Plain bearings Thin-walled half bearings with or without flange Part 1 Tolerance design features
20	ISO 10786 : 2011	and methods of test
20	IS 6454 : 1972	Specification for self - Aligning roller bearings
	Reviewed In: 2021	
	Decision taken to Reaffirm	
	and Archive	
21	IS 6455 : 2020	Single Row Deep Groove Ball Bearings Specification First Revision
22	IS 6456 : 1972	Considiration for double your model bell bearings
22	Reviewed In : 2021	Specification for double row radial ball bearings
	Decision taken to Reaffirm	
23	and Archive IS 6457 : 2024	SINGLE ROW CYLINDRICAL ROLLER BEARINGS SPECIFICATION
23	15 0437 : 2024	SINGLE ROW CILINDRICAL ROLLER BEARINGS SPECIFICATION
24	IS 6458 : 1972	Specification for double row cylindrical roller bearings
24	Reviewed In : 2020	Specification for double fow cylindrical folici bearings
25	IS 9202 : 2020	Rolling Bearings Cylindrical Rollers Specification First Revision
	15 7202 : 2020	Rolling Bearings Cymidneai Rollers Specification i fist Revision
	ISO 12297 : 2012	
26	IS 9619 : 1980	Identification code for shell type needle bearings Including Sealed Bearing
	Reviewed In: 2023	
27	IS 9764 (Part 1) : 2022	Plain bearings Ring type thrust washers made from strip Dimensions and tolerances
[-7	ISO 6612:1980	stands the stands of t
28	IS 9764 (Part 2) : 2022	Plain bearings Pressed bimetallic half thrust washers Features and tolerances
	ISO/IEC 11801-3 : 2021	