

## BUREAU OF INDIAN STANDARDS

### Program of Work

#### PGD 23 : Horology

Scope: Formulation of standards for time measuring, time keeping and time recording devices.  
 Liaison: **ISO TC-114 (P): Horology TC-114 SC-1 (P): TC-114 SC-11 (P): TC-114 SC-12 (P): ISO TC-114 SC-13 (P): Watch-glasses ISO TC-114 SC-14 (P): Table and wall clocks ISO TC-114 SC-3 (P): Water-resistant watches ISO TC-114 SC-5 (P): Luminescence TC-114 SC-6 (P): ISO TC-114 SC-7 (P): Harmonized practices ISO TC-114 SC-9 (P): Technical definitions**

### Published Standards

S.No	IS No.	TITLE	Reaffirm M-Y	No. of Amds	Eqv.
1	IS 10361 : 1983 <a href="#">Reviewed In : 2019</a>	Classification of wrist watch cases	July, 2019	-	Indigenous
2	IS 10362 : 1982 <a href="#">Reviewed In : 2018</a>	Dimensions for threads for back cover and bezel for watch cases	March, 2018	-	Indigenous
3	IS 10363 : 1982 <a href="#">Reviewed In : 2018</a>	Dimensions for fixing devices for threaded back covers for watch cases	March, 2018	-	Indigenous
4	IS 10364 : 2001 <a href="#">Reviewed In : 2018</a>	Snap type back covers and bezel for watch cases -- Dimensions (First Revision)	March, 2018	-	Indigenous
5	IS 10365 : 1982 <a href="#">Reviewed In : 2018</a>	Dimensions for packing ring and housing for back cover joint for watch cases	March, 2018	-	Indigenous
6	IS 10366 : 1995 <a href="#">Reviewed In : 2019</a>	Watch cases -- Crystal and dial opening diameters -- Dimensions (First Revision)	July, 2019	-	Indigenous
7	IS 10367 : 1983 <a href="#">Reviewed In : 2019</a>	Dimensions for crystal and dial openings (shaped or circular) for watch cases	July, 2019	-	Indigenous
8	IS 10368 : 1983 <a href="#">Reviewed In : 2018</a>	Dimensions for movement holders for watch cases	March, 2018	-	Indigenous
9	IS 10863 : 1984 <a href="#">Reviewed In : 2018</a>	Specification for one day alarm clocks	March, 2018	-	Indigenous
10	IS 10865 : 1998 <a href="#">Reviewed In : 2018</a>	Wrist watches -- Spring bars for watch cases and straps -- Specification (First Revision)	March, 2018	-	Indigenous
11	IS 11439 : 1985 <a href="#">Reviewed In : 2018</a>	Dimensions for fixing watch hands	March, 2018	-	Indigenous
12	IS 11562 : 1985 <a href="#">Reviewed In : 2018</a>	Specification for O-rings for wrist watch crowns and push buttons	March, 2018	1	Indigenous
13	IS 11681 : 2015 ISO 6426-2:2002 <a href="#">Reviewed In : 2021</a> ISO 6426- 2 : 2002	Horological vocabulary -- Technical and commercial definitions (First Revision)	March, 2021	-	Identical under dual numbering

14	IS 12114 (Part 1) : 2018 ISO 3160-1 : 1998 Reviewed In : 2018 ISO 3160-1 : 1998	Watch-Cases and accessories -- Gold alloy coverings: Part 1 General requirements (First Revision)	-	-	Identical under dual numbering
15	IS 12114 (Part 2) : 2018 ISO 3160-2 : 2015 Reviewed In : 2018 ISO 3160-2:2015	Watch-Cases and accessories -- Gold alloy coverings: Part 2 Determination of fineness, thickness, corrosion resistance and adhesion (First Revision)	-	-	Identical under dual numbering
16	IS 12471 : 1988 Reviewed In : 2018	Dimensions for lengths of hands for clocks	March, 2018	-	Indigenous
17	IS 12472 : 1988 Reviewed In : 2018	Connecting dimensions, fits and dimension combinations of hands for clock	March, 2018	-	Indigenous
18	IS 12477 : 1988 Reviewed In : 2018	Specification for bushing for clock hands	March, 2018	-	Indigenous
19	IS 12510 : 1988 Reviewed In : 2018	Specification for wall clocks (battery operated)	March, 2018	-	Indigenous
20	IS 12745 (Part 1) : 1988 ISO 6426-1 Reviewed In : 2019 ISO 6426-1 : 1982	Horological vocabulary: Part 1 Technical and scientific definitions	July, 2019	-	Identical under dual numbering
21	IS 13130 (Part 1) : 1991 Reviewed In : 2018	Wrist watches and watch movements -- Specification: Part 1 Mechanical watches	March, 2018	-	Indigenous
22	IS 13130 (Part 2) : 1991 Reviewed In : 2018	Wrist watches and watch movements -- Specification: Part 2 Quartz electronic watches	March, 2018	-	Indigenous
23	IS 13718 (Part 1) : 1993 Reviewed In : 2019	Horology -- Watch straps: Part 1 Leather straps -- Specification	July, 2019	-	Indigenous
24	IS 13718 (Part 2) : 1993 Reviewed In : 2019	Horology -- Watch straps: Part 2 Stainless steel -- Specification	July, 2019	-	Indigenous
25	IS 13718 (Part 3) : 2002 Reviewed In : 2018	Horology -- Watch straps: Part 3 Solid link straps -- Specification	March, 2018	-	Indigenous
26	IS 14338 : 1996 Reviewed In : 2018	Basic and design profile of screw threads for watch bezel and back covers	March, 2018	-	Indigenous
27	IS 14339 : 1996 Reviewed In : 2018	Horology -- Watch bezel and back cover gauges -- Technical supply conditions -- General	March, 2018	-	Indigenous
28	IS 14365 : 1996 Reviewed In : 2018	Horology -- Gauges for watch bezel and back covers -- Dimensions and tolerances	March, 2018	-	Indigenous
29	IS 14558 : 1998 ISO/DIS 14682 Reviewed In : 2019 ISO/DIS 14882 : 1996	Horology -- Primary batteries -- Watch batteries	July, 2019	-	Identical under dual numbering
30	IS 14559 : 2023 ISO 6425:2018 ISO 6425:2018	Horology -- Divers' watches (First Revision)		-	Identical under dual numbering
31	IS 14560 (Part 1) : 1998 Reviewed In : 2019	Horology -- Mineral and sapphire glass for wrist watch cases: Part 1 Dimensions, material and test	July, 2019	-	Indigenous

		procedures -- Specification			
32	IS 14560 (Part 2) : 1998 Reviewed In : 2019	Horology -- Mineral and sapphire glass for wrist watch cases: Part 2 Gasket dimensions, material and test procedures -- Specification	July, 2019	-	Indigenous
33	IS 15064 : 2002 Reviewed In : 2018	Plastic movement holders for wrist watch cases -- Specification	March, 2018	-	Indigenous
34	IS 16318 : 2015 ISO 12819 : 2009 Reviewed In : 2021 ISO 12819 : 2009	Methods of evaluation of the battery life of a battery-powered watch	March, 2021	-	Identical under dual numbering
35	IS 16319 : 2015 ISO 3159 : 2009 Reviewed In : 2021 ISO 3159 : 2009	Timekeeping instruments -- Wrist-chronometers with spring balance oscillator	March, 2021	-	Identical under dual numbering
36	IS 18155 : 2023 ISO 764:2020 ISO 764:2020	Horology -- Magnetic resistant watches		-	Identical under dual numbering
37	IS 18156 : 2023 ISO 1413:2016 ISO 1413:2016	Horology -- Shock-resistant wrist watches		-	Identical under dual numbering
38	IS 18157 : 2023 ISO 22810:2010 ISO 22810:2010	Horology -- Water-resistant watches		-	Identical under dual numbering
39	IS 18264 : 2023 ISO 19235:2015 ISO 19235:2015	Analogue quartz clocks -- Timing accuracy		-	Identical under dual numbering
40	IS 18270 : 2023 ISO 3765:1998 ISO 3765:1998	Timekeeping instruments -- Wristwatches -- Dimensions of bracelet-to-case fastening elements		-	Identical under dual numbering
41	IS 18625 : 2023 ISO 10552:2014 ISO 10552:2014	Timekeeping instruments -- Crowns and sealed tubes -- Designs and dimensions		-	Identical under dual numbering
42	IS 9261 : 1979 Reviewed In : 2018 ISO 3158:1976	Symbolization of control positions for timekeeping instruments	March, 2018	-	Not Equivalent
43	IS 9263 (Part 1) : 2015 ISO 1112 : 2009 Reviewed In : 2021 ISO 1112 : 2009	Horology -- Specification: Part 1 Functional and non-functional jewels (First Revision)	March, 2021	-	Identical under dual numbering
44	IS 9263 (Part 2) : 1999 Reviewed In : 2019	Wrist watches -- Jewels: Part 2 Types and dimensions (First Revision)	July, 2019	-	Indigenous
45	IS 9641 : 1980 Reviewed In : 2018	Dimensions for lugs for wrist watch case	March, 2018	-	Indigenous
46	IS 9642 : 1980 Reviewed In : 2018	Dimensions for case pipe for wrist watch case	March, 2018	-	Indigenous
47	IS 9672 : 1980 Reviewed In : 2018 ISO 3764:1976	Dimensions for movements for wrist watch	March, 2018	1	Not Equivalent
48	IS 9673 : 1980 Reviewed In : 2018	Specification for crown for wrist watch case	March, 2018	-	Indigenous
49	IS 9783 : 1981 Reviewed In : 2018	Nomenclature of parts for wrist watches	March, 2018	3	Indigenous

### 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 23 (19200)	Watch Cases and Accessories Ion Coating by Physical Vapour Deposition PVD Specification
2	PGD 23 (19201)	Watch Dials and Dial Feet Specification
3	PGD 23 (25144) Revision of: IS 13718:1993	Horology -- Watch straps -- Specification Part 1 Leather straps first revision
4	PGD 23 (25145) Revision of: IS 13718:1993	Horology -- Watch straps -- Specification Part 2 Metal straps first revision
5	PGD 23 (25146)	Watch cases and accessories -- Ion coating by physical vapour deposition PVD -- Specification
6	PGD 23 (25147)	Watch dials and dial feet -- Specification

## Drafts Standards in WC Stage

SI. No.	Doc No.	Title
1	PGD 23 (24524) Revision of: IS 9672:1980	Movements for Wristwatch -- Dimensions

## Draft Standards Completed WC Stage

SI. No.	Doc No.	Title
1	PGD 23 (21818)	Horology -- Procedure for evaluating the accuracy of quartz watches
2	PGD 23 (25150)	Time-measuring instruments -- Photoluminescent deposits -- Test methods and requirements

## 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	PGD 23 (18461)	Quartz Analog Clocks Used in Automobiles Specification

Total Published Standards:49 Total Standards Under development:10

## Aspect Wise Report

Product : 21  
Code of Practices : 0  
Methods of Test : 2  
Terminology : 4  
Dimensions : 17  
System Standard : 0  
Safety Standard : 0  
Others : 5  
Service Specification : 0  
Process Specification : 0  
Unclassified : 0

## Annexure-I :List of Indian Standards Withdrawn/Superseded

SI. No.	IS No. & Year	Title
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1	IS 9243 (Part 1) : 1987 ISO 1112 Reviewed In : 2018 ISO 764:1984	Methods of test for wrist watches Part 1 antimagnetic First Revision
2	IS 9243 (Part 2) : 1987 Reviewed In : 2018 ISO 1413:2016	Methods of test for wrist watches Part 2 shock - Resistant First Revision
3	IS 9243 (Part 3) : 1987 Reviewed In : 2018 ISO 22810:2010	Methods of test for wrist watches Part 3 water - Resistant First Revision
4	IS 9275 : 1996 Reviewed In : 2018	Horology - Radioluminescence for timekeeping instruments - Specification First Revision

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

Sl. No.	IS No. & Year	Title
1	IS 10863 : 1984 Reviewed In : 2018	Specification for one day alarm clocks
2	IS 12114 (Part 1) : 2018 ISO 3160-1 : 1998 Reviewed In : 2018 ISO 3160-1 : 1998	Watch-Cases and accessories -- Gold alloy coverings Part 1 General requirements First Revision
3	IS 12477 : 1988 Reviewed In : 2018	Specification for bushing for clock hands
4	IS 12510 : 1988 Reviewed In : 2018	Specification for wall clocks battery operated
5	IS 13130 (Part 1) : 1991 Reviewed In : 2018	Wrist watches and watch movements -- Specification Part 1 Mechanical watches
6	IS 13130 (Part 2) : 1991 Reviewed In : 2018	Wrist watches and watch movements -- Specification Part 2 Quartz electronic watches
7	IS 13718 (Part 1) : 1993 Reviewed In : 2019	Horology -- Watch straps Part 1 Leather straps -- Specification
8	IS 13718 (Part 2) : 1993 Reviewed In : 2019	Horology -- Watch straps Part 2 Stainless steel -- Specification
9	IS 13718 (Part 3) : 2002 Reviewed In : 2018	Horology -- Watch straps Part 3 Solid link straps -- Specification
10	IS 14558 : 1998 ISO/DIS 14682 Reviewed In : 2019 ISO/DIS 14882 : 1996	Horology -- Primary batteries -- Watch batteries
11	IS 14559 : 2023 ISO 6425:2018	Horology -- Divers 39 watches First Revision
12	IS 14560 (Part 1) : 1998 Reviewed In : 2019	Horology -- Mineral and sapphire glass for wrist watch cases Part 1 Dimensions material and test procedures -- Specification
13	IS 14560 (Part 2) : 1998 Reviewed In : 2019	Horology -- Mineral and sapphire glass for wrist watch cases Part 2 Gasket dimensions material and test procedures -- Specification
14	IS 15064 : 2002 Reviewed In : 2018	Plastic movement holders for wrist watch cases -- Specification
15	IS 16319 : 2015 ISO 3159 : 2009 Reviewed In : 2021 ISO 3159 : 2009	Timekeeping instruments -- Wrist-chronometers with spring balance oscillator
16	IS 18155 : 2023 ISO 764:2020	Horology -- Magnetic resistant watches
17	IS 18156 : 2023 ISO 1413:2016	Horology -- Shock-resistant wrist watches

18	IS 18157 : 2023 ISO 22810:2010	Horology -- Water-resistant watches
19	IS 18264 : 2023 ISO 19235:2015	Analogue quartz clocks -- Timing accuracy
20	IS 9263 (Part 1) : 2015 ISO 1112 : 2009 Reviewed In : 2021 ISO 1112 : 2009	Horology -- Specification Part 1 Functional and non-functional jewels First Revision
21	IS 9263 (Part 2) : 1999 Reviewed In : 2019	Wrist watches -- Jewels Part 2 Types and dimensions First Revision