

PROGRAMME OF WORK
(As on 1 June 2011)

Production & General Engineering Department
(PGD)



BUREAU OF INDIAN STANDARDS
MANAK BHWAN, 9 BAHADUR SHAH ZAFAR MARG
New Delhi – 110002

P R E F A C E

A Programme of Work is prepared every year for each Division of Bureau of Indian Standards to indicate the latest position of published Indian Standards and draft standards at different stages of processing. The Programme of Work for Production and General Engineering Division Council (PGDC) has been prepared Sectional Committee-wise as on 1 April 2008 and arranged in the sequential order of the Committee numbers.

The present scope of Production and General Engineering Division Council (PGDC) is as under:

“Production engineering and general engineering such as engineering drawings, screw threads, fasteners, transmission devices, weights and measures, engineering metrology, ergonomics, bearings and tribology, gears, horology, machine tools, hand tools, cutting tools, pneumatic tools, fluid power systems, meteorological instruments, mountaineering equipment, arms & ammunition for civilian use, industrial engineering, automation in manufacturing and robotics and consumer products & allied equipment.”

In the Programme of Work, an asterisk mark (*) given before a printed standard indicates that the standard is under revision and its relevant document is available at different stages of processing; whereas, double asterisk mark (**) indicates standard identified for revision for which document is yet to be prepared. Below the designation of a published standard, wherever ‘/ISO/IEC.....’ standard number is given, it implies that the Indian Standard is the total adoption of ISO/IEC standard under dual numbering scheme (*The designations such as IS/ISO 9001:2000 also indicate dual number standards*). Below the designation of a published standard, wherever ‘|ISO/IEC...’ standard number is given, it implies that the Indian Standard is technically equivalent to ISO/IEC standard.

It is hoped that this publication will provide the community of standards users a convenient tool for obtaining the latest information about new and upcoming standards in the field of Production and General Engineering Division Council (PGDC).

For further information, please write to:

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PRODUCTION AND GENERAL ENGINEERING DEPARTMENT

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PRODUCTION AND GENERAL ENGINEERING DEPARTMENT
STATISTICS AT A GLANCE

ASPECTWISE POSITION OF STANDARDS

| ASPECT OF STANDARD | NUMBER OF STANDARDS |
|---------------------------|----------------------------|
| PRODUCT | 1439 |
| METHODS OF TEST | 137 |
| CODES OF PRACTICE | 11 |
| TERMINOLOGY | 74 |
| DIMENSIONS | 233 |
| SYMBOLS | 21 |
| OTHERS | 168 |
| TOTAL | 2083 |

HARMONIZATION POSITION

| TYPE OF HARMONIZATION | NUMBER OF STANDARDS |
|--|----------------------------|
| INDIAN STANDARDS UNDER DUAL NUMBER (IDENTICAL WITH ISO OR IEC STANDARDS) | 524 |
| INDIAN STANDARDS TECHNICALLY EQUIVALENT WITH ISO OR IEC STANDARDS | 200 |
| INDIAN STANDARDS HARMONIZED WITH EN STANDARDS/REGULATIONS/DIRECTIVES | - |
| INDIAN STANDARDS HARMONIZED WITH STANDARDS OF OTHER BODIES (OIML) | - |
| TOTAL | 724 |

STANDARDS PUBLISHED UNDER VARIOUS SECTORS (AS PER ISO)

| SECTOR | NUMBER OF STANDARDS |
|--|----------------------------|
| HEALTH, SAFETY AND ENVIRONMENT | 16 |
| ENGINEERING TECHNOLOGIES | 2067 |
| ELECTRONICS, INFORMATION TECHNOLOGY AND TELECOMMUNICATIONS | Nil |
| TRANSPORT AND DISTRIBUTION OF GOODS | Nil |
| AGRICULTURE AND FOOD TECHNOLOGY | Nil |
| MATERIALS TECHNOLOGIES | Nil |
| CONSTRUCTION | Nil |
| SPECIAL TECHNOLOGIES | Nil |
| TOTAL | 2083 |

PG 01 BASIC STANDARDS SECTIONAL COMMITTEE

SCOPE: a) Formulation of Indian Standards on terminology, units, quantities, symbols and other basic subjects of general applicability to all Division Councils.

b) Formulation of Indian Standards for preferred numbers.

c) Coordination of work with:

- i) ISO/TC 12 Quantities, units, symbols, conversion tables
- ii) ISO/TC 19 Preferred numbers
- iii) ISO/TC 37 Terminology
- iv) ISO/TC 145 Graphical symbols, and
- v) ISO/CS Related to enclosures and conditions for testing

CORRESPONDING ISO COMMITTEE(S):

- ISO/TC 12 Quantities, units, symbols, conversion tables
- ISO/TC 19 Preferred numbers
- ISO/TC 37 Terminology
- ISO/TC 145 Graphical symbols
- ISO/ CS Related to enclosures and conditions for testing

| SL.NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO.OF AMENDMENTS |
|----------------------------|---------------------------------|--|----------|------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS/ISO/IEC Guide 51:2005 | Guidelines for the inclusion of safety aspects in standards (<i>first revision</i>) | | |
| 2. | IS 196:1966 | Atmospheric conditions for testing (<i>revised</i>) | Dec 2006 | |
| 3. | IS 786:1967 | Conversion factors and conversion tables (<i>first revision</i>) (English Hindi) | Jan 2011 | |
| 4. | IS 786(Supplement): 1967 | Supplement to Indian Standard – Conversion factors and conversion tables (<i>first revision</i>) (English Hindi) | Jan 2011 | |
| 5. | IS 787:1956 | Guide for conversion of values from one system of units to another | Jan 2011 | |
| 6. | IS 1076(PT 1):1985 /ISO 3:1973 | Preferred numbers: Part 1 Series of preferred numbers (<i>second revision</i>) | Jan 2011 | |
| 7. | IS 1076(PT 2):1985 /ISO 17:1973 | Preferred numbers: Part 2 Guide to the use of preferred numbers and series of preferred numbers (<i>second revision</i>) | Jan 2011 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL.NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO.OF AMENDMENTS |
|-------|--|---|----------|------------------|
| 8. | IS 1076(PT 3):1985 /ISO 497:1973 | Preferred numbers : Part 3 Guide to the choice of series of preferred number and of series containing more rounded values of preferred numbers (<i>second revision</i>) | Jan 2011 | |
| 9. | IS 1105:1957 | Method for precise conversion of inch and metric dimensions to ensure interchangeability | Jan 2011 | |
| 10. | IS 1890(PT 0):1995 /ISO 31-0:1992 | Quantities and units : Part 0 General principles (<i>first revision</i>) | Jan 2011 | 1 |
| 11. | IS 1890(PT 1):1995 /ISO 31-1:1992 | Quantities and units : Part 1 Space and time (<i>third revision</i>) | Jan 2011 | 1 |
| 12. | IS 1890(PT 2):1995 /ISO 31-2:1992 | Quantities and units : Part 2 Periodic and related phenomena (<i>second revision</i>) | Jan 2011 | 1 |
| 13. | IS 1890(PT 3):1995 /ISO 31-3:1992 | Quantities and units : Part 3 Mechanics (<i>second revision</i>) | Jan 2011 | 1 |
| 14. | IS 1890(PT 4):2001 /ISO 31-4:1992 | Quantities and units : Part 4 Heat (<i>second revision</i>) | Jan 2011 | |
| 15. | IS 1890(PT 5):1995 /ISO 31-5:1992 | Quantities and units : Part 5 Electricity and magnetism (<i>first revision</i>) | Jan 2011 | |
| 16. | IS 1890(PT 6):1997 /ISO 31-6:1992 | Quantities and units : Part 6 Light and related electromagnetic radiations (<i>first revision</i>) | Jan 2011 | |
| 17. | **IS 1890(PT 7):1995 /ISO 31-7:1992 | Quantities and units: Part 7 Acoustics (<i>first revision</i>) | Jan 2011 | |
| 18. | IS 1890(PT 8):1995 /ISO 31-8:1992 | Quantities and units : Part 8 Physical chemistry and molecular physics (<i>first revision</i>) | Jan 2011 | |
| 19. | IS 1890(PT 9):1995 /ISO 31-9:1992 | Quantities and units : Part 9 Atomic and nuclear physics (<i>first revision</i>) | Jan 2011 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| Sl.No. | IS NO./DOC NO. | TITLE | REAFFIRM | NO.OF AMENDMENTS |
|--------|--|--|----------|------------------|
| 20. | IS 1890(PT 10):1995 /ISO 31-10:1992 | Quantities and units : Part 10 Nuclear reactions and ionizing radiations (<i>first revision</i>) | Jan 2011 | |
| 21. | IS 1890(PT 11):1995 /ISO 31-11:1992 | Quantities and units : Part 11 Mathematical signs and symbols for use in the physical sciences and technology (<i>second revision</i>) | Jan 2011 | |
| 22. | **IS 1890(PT 12):1995 /ISO 31-12:1992 | Quantities and units : Part 12 Characteristic numbers (<i>first revision</i>) | Jan 2006 | |
| 23. | IS 1890(PT 13):1997 /ISO 31-13:1992 | Quantities and units : Part 13 Solid state physics (<i>first revision</i>) | Dec 2006 | |
| 24. | IS 10005:1994 /ISO 1000:1992 | SI units and recommendations for the use of their multiples and of certain other units (<i>second revision</i>) | Jan 2011 | |
| 25. | IS 15502:2005 /ISO/TR 7239:1984 | Development and Principles for application of public information symbols | Jan 2011 | |
| 26. | IS 15503:2004 /ISO 9186:2001 | Graphic symbols – Test methods for judged comprehensibility and for comprehension | Mar 2009 | |
| 27. | IS 15504:2005 /ISO 7001:1990 | Public information symbols | Jan 2011 | |
| 28. | SP 8:1970 | ISI Handbook of mathematical, physical, chemical and engineering tables | Jan 2011 | 1 |

DOCUMENT UNDER WIDE CIRCULATION

PG 01(1132) Conditioning and testing -- Standard atmospheres – Definitions

PG 01(1133) Graphical symbols -- Technical guidelines for the consideration of consumers' needs

DRAFT STANDARDS COMPLETED WIDE CIRCULATION

Doc: BP 01(0542) Dimension and of raised parts of ground surface indicators for blind persons

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

**PG 02 MACHINE TOOL ELEMENTS AND HOLDING
DEVICES SECTIONAL COMMITTEE**

SCOPE: a) Standardization in the field of basic machine tool elements, jigs and fixtures
b) Co-ordination of work with:
i) ISO/TC 39/SC 8 Work holding spindles and chucks
ii) ISO/TC 29 Small Tools

CORRESPONDING ISO COMMITTEE(S):
ISO/TC 39/SC 8 Work Holding Spindles and Chuck
ISO/TC 29 Small Tools

| SL. No. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|-------------------------------|---|-----------------|--------------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 666(Pt 1):1972 | Jig bushes – Part 1: Headed and headless jig bushes (<i>second revision</i>) | Dec 2007 | 1 |
| 2. | IS 666(Pt 2):1972 | Jig bushes – Part 2: Renewable drill bushes (<i>second revision</i>) | Dec 2007 | 2 |
| 3. | IS 1995:1984 /ISO 213:1982 | Overall internal heights for lathe tool posts (<i>first revision</i>) | Aug 2005 | |
| 4. | IS 2013:1995 ISO 299:1987 | T-slots – Dimensions and spacing (<i>third revision</i>) | Aug 2005 | |
| 5. | ** IS 2014:1996 | T-bolts – Specification (<i>second revision</i>) | Jan 2006 | |
| 6. | ** IS 2015:1977 | T-nuts (<i>first revision</i>) | Jan 2006 | 1 |
| 7. | IS 2161:1996 | Coolant pumps for general purpose machine tools – Specification (<i>first revision</i>) | Dec 2006 | |
| 8. | IS 2243:1971 | Drill chucks (<i>first revision</i>) | Dec 2006 | 3 |
| 9. | IS 2289:1976 | 60 degree dead centers for lathes (<i>first revision</i>) | Aug 2005 | |
| 10. | ** IS 2534:1999 | Carbide tipped dead centers – Specification (<i>first revision</i>) | | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. No. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--|---|----------|-------------------|
| 11. | IS 2582(Pt 1):1987 /ISO 702-1:1975 | Machine tools – Spindle noses and face plates – Sizes for interchangeability – Part 1: Type A (<i>second revision</i>) | Dec 2006 | |
| 12. | IS 2582(Pt 2):1987 /ISO 702-2:1975 | Machine tools – Spindle noses and face plates – Sizes for interchangeability – Part 2: Camlock types (<i>second revision</i>) | Dec 2006 | |
| 13. | IS 2582(Pt 3): 1987 /ISO 702-3:1975 | Machine tools – Spindle noses and face plates – Sizes for interchangeability – Part 3: Bayonet type (<i>second revision</i>) | Dec 2006 | |
| 14. | IS 2804:1998 | Palm grips – Specification (<i>first revision</i>) | Oct 2008 | |
| 15. | IS 2805:1964 | Dimensions for ball grips | Jan 2006 | |
| 16. | ** IS 2876:1999 | 3-jaw and 4-jaw scroll manually operated self-centering lathe chucks – Specification (<i>second revision</i>) | Aug 2005 | |
| 17. | IS 2890:1983 | Taper handles for machine tools (<i>first revision</i>) | Aug 2005 | |
| 18. | IS 2904:1998 | Ball handles – Specification (<i>first revision</i>) | Oct 2008 | |
| 19. | IS 2908:1998 | Hand cranks – Specification (<i>first revision</i>) | Dec 2007 | |
| 20. | IS 2909:1998 | Star grips – Specification (<i>first revision</i>) | Dec 2007 | |
| 21. | IS 2975:1998 | Control levers with ball grips – Specification (<i>first revision</i>) | Oct 2008 | |
| 22. | IS 2990:1986 | Tenons (<i>first revision</i>) | Dec 2006 | |
| 23. | IS 2995:1988 | Set collars (<i>first revision</i>) | Feb 2010 | |
| 24. | IS 2996:1986 | Mounting dimensions of plain grinding wheels by means of hub flanges (<i>second revision</i>) | Dec 2006 | |
| 25. | IS 3048:1965 | Dimensions for hand wheels | Jan 2006 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. No. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--------------------|--|----------|-------------------|
| 26. | IS 3075(Pt 1):1986 | Dimensions for circlips – Part 1: For shafts (<i>first revision</i>) | Dec 2006 | 2 |
| 27. | IS 3075(Pt 2):1986 | Dimensions for circlips – Part 2: For bores (<i>first revision</i>) | Dec 2006 | 1 |
| 28. | IS 3075(Pt 3):1987 | Dimensions for circlips – Part 3: Type E for shafts (<i>first revision</i>) | Dec 2006 | 1 |
| 29. | IS 3793:1966 | Live centers | Dec 2007 | 1 |
| 30. | IS 4279:1984 | Goose neck clamps (<i>second revision</i>) | Aug 2005 | |
| 31. | IS 4291:1996 | C-washers – Specification (<i>first revision</i>) | Dec 2006 | |
| 32. | IS 4292:1984 | Strap clamps (<i>first revision</i>) | Aug 2005 | |
| 33. | IS 4293:1984 | U-type clamps (<i>second revision</i>) | Aug 2005 | |
| 34. | IS 4294:1982 | Jig buttons (<i>first revision</i>) | Aug 2005 | |
| 35. | IS 4295:1983 | Locking dogs (catches) with springs (<i>first revision</i>) | Aug 2005 | 2 |
| 36. | IS 4297:1996 | Spherical washers and conical seats – Specification (<i>first revision</i>) | Dec 2006 | |
| 37. | IS 4298: 2009 | Swing C-washers – Specification (<i>second revision</i>) | Dec 2006 | |
| 38. | IS 4299:1982 | Jig feet (<i>first revision</i>) | Aug 2005 | |
| 39. | IS 4502:1999 | Machine vices – Specification (<i>first revision</i>) | Mar 2010 | |
| 40. | IS 4816:1987 | Permanent magnetic chucks (<i>second revision</i>) | Dec 2006 | |
| 41. | IS 5091:1969 | Dimensions for circular base plates | Aug 2005 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|----------------|---|----------|-------------------|
| 42. | IS 5092:1969 | Dimensions for square and rectangular base plates | Aug 2005 | |
| 43. | IS 5093:1996 | Locating pins (round) – Specification (<i>first revision</i>) | Dec 2006 | |
| 44. | IS 5094:1969 | Dimensions for diamond locating pins | Dec 2006 | |
| 45. | IS 5095:1998 | End locating plugs – Specification (<i>first revision</i>) | Oct 2008 | |
| 46. | IS 5096:1969 | Dimensions for round locating studs | Dec 2006 | 1 |
| 47. | IS 5097:1969 | Dimensions for diamond locating studs | Dec 2006 | |
| 48. | IS 5250:1984 | Swing clamps (<i>first revision</i>) | Aug 2005 | |
| 49. | IS 5251:1984 | Table clamps (<i>first revision</i>) | Aug 2005 | |
| 50. | IS 5252:1984 | Wide clamp plates (<i>first revision</i>) | Aug 2005 | |
| 51. | IS 5998:1984 | Parallel sided clamp plates (<i>first revision</i>) | Aug 2005 | |
| 52. | IS 5999:1999 | Swing lathes (<i>first revision</i>) | Aug 2005 | |
| 53. | IS 6080:1985 | Double ended clamps (<i>first revision</i>) | Aug 2005 | |
| 54. | IS 6081:1985 | Plain clamps (<i>first revision</i>) | Aug 2005 | |
| 55. | IS 6082:1985 | Slotted clamps (<i>first revision</i>) | Aug 2005 | |
| 56. | IS 6090:1984 | Cam operated clamps (<i>first revision</i>) | Aug 2005 | |
| 57. | IS 6105:1971 | Feed fingers | Dec 2006 | |
| 58. | IS 6238:1971 | Spring collets | Dec 2006 | 1 |
| 59. | IS 6335:1971 | Knurled thumb nuts (fixtures) | Dec 2006 | 1 |
| 60. | IS 6336:1989 | Screws for thrust pads (fixtures) – Specification (<i>first revision</i>) | Feb 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---------------------|--|----------|-------------------|
| 61. | IS 6337:1989 | Thrust pads (fixtures) – Specification (<i>first revision</i>) | Feb 2010 | |
| 62. | IS 6338:1989 | Clamping screws (fixtures) – Specification (<i>first revision</i>) | Feb 2010 | |
| 63. | IS 6440:1997 | Quick action drilling jigs (<i>first revision</i>) | Dec 2007 | |
| 64. | IS 7262:1996 | Turning mandrels – Specification (<i>first revision</i>) | Dec 2006 | |
| 65. | IS 7301:1974 | Grinding mandrels | Dec 2006 | 2 |
| 66. | IS 7795:1975 | Hexagon nuts with collar | Dec 2006 | |
| 67. | IS 7824:1995 | Quick change drill chucks, collets and floating reamer holders – Specification (<i>first revision</i>) | Aug 2005 | |
| 68. | IS 8710:1978 | Electro-magnetic chucks | Dec 2006 | 1 |
| 69. | IS 9094(Pt 1): 1979 | Drill chuck taper arbors – Part 1: Having taper shanks | Dec 2006 | |
| 70. | IS 10573:1983 | Oil sight glass for machine tools | Aug 2005 | |
| 71. | IS 10574:1983 | Clamp buttons to be used with parallel sided clamp plates | Jan 2006 | |
| 72. | IS 10602:1983 | Floor plates | Aug 2005 | 1 |
| 73. | IS 10612:1983 | 4-jaw independent lathe chucks | Jan 2006 | |
| 74. | IS 10882:1984 | Cam levers | Aug 2005 | |
| 75. | IS 11278:1985 | Jig feet with cylindrical shanks | Aug 2005 | |
| 76. | IS 11325:1985 | Adjustable clamp support | Aug 2005 | |
| 77. | IS 11613:1986 | Renewable lock screw locating pins | Dec 2006 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---------------------------------------|--|----------|-------------------|
| 78. | IS 11614:1986 | Renewable threaded locating pins | Dec 2006 | |
| 79. | IS 11831:1986 | Jig foot bolt | Dec 2006 | |
| 80. | IS 11843:1986 | Jig foot nut | Dec 2006 | |
| 81. | IS 12242:1987 | Door hinges for machine tools | Dec 2006 | |
| 82. | IS 12250:1987 | Fixed clamp supports | Dec 2006 | |
| 83. | IS 12280:1988 | Tenon without counterbore | Dec 2007 | |
| 84. | IS 12281:1988 | Mounting dimensions of machine tool doors with hinges | Dec 2007 | |
| 85. | IS 12525:1989 | Snap rings - Specification | Feb 2010 | |
| 86. | IS 12582:1989 | Tommy screws with fixed bars - Specification | Feb 2010 | |
| 87. | IS 13178:1991 | Clamping studs for machine tools – Specification | Dec 2006 | |
| 88. | ** IS 14693:1999 | 2-jaw and 3-jaw power operated wedge type chucks – Specification | Aug 2005 | |
| 89. | ** IS 14694:1999 | 2-jaw and 3-jaw power operated high speed lathe chucks with through bore – Specification | Aug 2005 | |
| 90. | ** IS 14725:1999 | 2-jaw and 3-jaw hand operated heavy duty cam type self centering chucks – Specification | Aug 2005 | |
| 91. | IS 14872(Pt 1): 2000 /ISO 3408-1:1991 | Ball screws – Part 1: Vocabulary and designations | Dec 2007 | |
| 92. | IS 14872(Pt 2):2000 /ISO 3408-2:1991 | Ball screws – Part 2: Nominal diameters and nominal leads metric series | Dec 2007 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------|---|--|-----------------|--------------------------|
| 93. | IS 14872(Pt 3):2000 /ISO 3408-3:1992 | Ball screws – Part 3: Acceptance conditions and acceptance tests | Dec 2007 | |
| 94. | IS 15246:2002 /ISO 9524:1993 | Machine tools – Front faces of spindle holders for machining centers – Functional dimensions | Dec 2007 | |
| 95 | IS 15247:2002 /ISO 9270:1992 | 7/24 Tapers for tool shanks for automatic changing – Tapers for spindle noses | Dec 2007 | |
| 96 | IS 15248:2002 /ISO 3442:1991 | Self centering chucks for machine tools with two piece jaws (tongue and groove type) – Sizes for interchangeability and acceptance test specifications | Dec 2007 | |
| 97 | IS 15249:2002 /ISO 9401:1991 | Machine tools – Jaw mountings on power chucks | Dec 2007 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

PG 03 MACHINE TOOLS SECTIONAL COMMITTEE

SCOPE: a) Standardization in the field of basic machine tools (Excluding: elements and holding devices of machine tools standards), modular units, evaluation of all machine tools for the working of metal, wood and plastics, operating by removal of material.

b) Co-ordination of work with:

- i) ISO/TC 39 Machine Tools
- ii) ISO/TC 39/SC 2 Test conditions for metal cutting machines tool
- iii) ISO/TC 39/SC 4 Woodworking machines
- iv) ISO/TC 39/SC 6 Noise of machine tools
- v) ISO/TC 199 Safety of machinery

CORRESPONDING ISO COMMITTEE(S):

ISO/TC 39/SC 8 Machine Tools

ISO/TC 39/SC 2 Test Conditions for Metal Cutting Machines Tools

ISO/TC 39/SC 4 Woodworking Machines

ISO/TC 39/SC 6 Noise of Machine Tools and

ISO/TC 199 Safety of Machinery

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|--|---|----------|-------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 1878(Pt 1): 1993 ISO 1708:1989 | Test chart for general purposes parallel lathes – Part 1: Lathes with swing over bed up to 800mm (<i>second revision</i>) | Oct 2008 | |
| 2. | IS 1878(Pt 2): 1992 ISO 1708:1989 | Test chart for general purposes parallel lathes – Part 2: Lathes with swing over bed over 800mm and up to 1600mm (<i>second revision</i>) | Oct 2008 | |
| 3. | IS 1878(Pt 3): 1998 | Test chart for general purposes parallel lathes – Part 3: Lathes with swing over bed over 1600mm and upto 2500mm | Oct 2008 | |
| 4. | IS 2063(Pt 1): 2002 /ISO 230-1:1996 | Acceptance code for machine tools – Part 1: Geometric accuracy of machines operating under no-load or finishing conditions (<i>second revision</i>) | Oct 2008 | |
| 5. | IS 2063(Pt 2):2002 /ISO 230-2:1997 | Acceptance code for machine tools – Part 2: Determination of accuracy and repeatability of positioning numerically controlled axes | Oct 2008 | |

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| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--|--|----------|-------------------|
| 6. | IS 2182:1993 | Symbols to be given on indication plates of machine tools –Recommendations (<i>first revision</i>) | Oct 2008 | |
| 7. | IS 2199:1989 | Radial drilling machines – Test chart (<i>first revision</i>) | Feb 2010 | |
| 8. | IS 2200 (Pt 2): 2002 /ISO 1701-2:1997 | Test condition for milling machines with table of variable height – Testing of accuracy – Part 2: Machines with horizontal spindle (<i>third revision</i>) | Oct 2008 | |
| 9. | IS 2200 (Pt 3): 2002 /ISO 1701-3:2002 | Test condition for milling machines with table of variable height – Testing of accuracy – Part 3: Machines with vertical spindle | Oct 2008 | |
| 10. | IS 2218:1999 | Speeds and feeds for machine tools (<i>first revision</i>) | Feb 2010 | |
| 11. | IS 2308:1989 | Test chart for slotting machines (<i>first revision</i>) | Feb 2010 | |
| 12. | IS 2310:1989 | Test chart for shaping machines (<i>first revision</i>) | Feb 2010 | |
| 13. | IS 2367:1981 | Test chart for box type vertical drilling machines (<i>first revision</i>) | Oct 2008 | |
| 14. | IS 2368:1993 /ISO 2433:1984 | Test chart for external cylindrical grinding machines with a movable table (<i>second revision</i>) | Oct 2008 | |
| 15. | IS 2425:1982 ISO 2773-1:1973 | Test chart for pillar type vertical drilling machines (<i>first revision</i>) | Feb 2010 | |
| 16. | IS 2426:1985 ISO 2773-1:1973 | Test chart for bench drilling machines (<i>first revision</i>) | Dec 2006 | 1 |
| 17. | IS 2538:1963 | Test chart for bench grinders | Oct 2008 | 1 |

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|---------|--------------------------------|--|----------|-------------------|
| 18. | IS 2743:1992 /ISO 1986:1985 | Test chart for surface grinding machines with horizontal grinding wheel spindle and reciprocating table (<i>second revision</i>) | Oct 2008 | |
| 19. | IS 2877:1986 | Test chart for single and double column planing machines (<i>second revision</i>) | Dec 2006 | |
| 20. | IS 2987:1992 /ISO 447:1984 | Direction of operation of controls for machine tools – Recommendations (<i>second revision</i>) | Oct 2008 | |
| 21. | IS 3080:1965 | Test chart for universal tool and cutter grinders | Dec 2006 | |
| 22. | IS 3405:1966 | Test chart for power backsaw machines (up to 300mm round bar capacity) | Dec 2006 | |
| 23. | IS 3691:1990 /ISO 7007:1983 | Woodworking machines – Table band sawing machines – Nomenclature and acceptance conditions (<i>second revision</i>) | Dec 2006 | |
| 24. | IS 3694:1991 /ISO 7987:1985 | Test chart for woodworking turning lathes (<i>second revision</i>) | Dec 2006 | |
| 25. | IS 6040:1993 ISO 1708:1989 | Test chart for precision lathes – Lathes with swing over bed up to 500mm and distance between centers up to 1500mm (<i>first revision</i>) | Dec 2006 | |
| 26. | IS 6197:1971 | Test chart for vertical boring and turning mills with table diameter up to 1600mm | Dec 2006 | 1 |
| 27. | IS 6679:1972 | Test chart for general purpose gear shaping machines (Table diameter up to 1000mm) | Dec 2006 | 1 |

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|---------|--------------------|--|----------|-------------------|
| 28. | IS 6893(Pt 1):1988 | Proforma for purchase specification for machine tools – Part 1: General purpose parallel lathes and precision lathes (<i>first revision</i>) | Dec 2006 | |
| 29. | IS 6893(Pt 2):1987 | Proforma for purchase specification for machine tools – Part 2: Horizontal/universal knee-type milling machines (<i>first revision</i>) | Dec 2006 | |
| 30. | IS 6893(Pt 3):1988 | Proforma for purchase specification for machine tools – Part 3: Radial drilling machines (<i>first revision</i>) | Dec 2006 | |
| 31. | IS 6893(Pt 4):1987 | Proforma for purchase specification for machine tools – Part 4: Vertical turning and boring lathes (<i>first revision</i>) | Dec 2006 | |
| 32. | IS 6893(Pt 5):1987 | Proforma for purchase specification for machine tools – Part 5: Milling machines with table of variable height with vertical spindle (<i>first revision</i>) | Dec 2006 | |
| 33. | IS 6893(Pt 6):1985 | Proforma for purchase specification for machine tools – Part 6: Bench/Pillar type drilling machines | Dec 2006 | |
| 34. | IS 6893(Pt 7):1990 | Proforma for purchase specification for machine tools – Part 7: External cylindrical grinding machines with horizontal spindle | Oct 2008 | |
| 35. | IS 6893(Pt 8):1992 | Proforma for purchase specification for machine tools – Part 8: Internal cylindrical grinding machines with horizontal spindle | Oct 2008 | |

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|---------|--------------------------------|---|----------|-------------------|
| 36. | IS 6893(Pt 9):1990 | Proforma for purchase specification for machine tools – Part 9: Surface grinders with horizontal axis | Dec 2006 | |
| 37. | IS 6893(Pt 10):1992 | Proforma for purchase specification for machine tools – Part 10: Copying lathes | Oct 2008 | |
| 38. | IS 6893(Pt 11):1992 | Proforma for purchase specification for machine tools – Part 11: Capstan and turret lathes | Oct 2008 | |
| 39. | IS 6893(Pt 12):1992 | Proforma for purchase specification for machine tools – Part 12: Horizontal boring and milling machines (Table type) | Oct 2008 | |
| 40. | IS 7227:1974 | Recommended diameters of wheels for woodworking table band sawing machines | Aug 2005 | 1 |
| 41. | IS 7228:1983 /ISO 7006:1981 | Recommended spindle diameters for woodworking machines with rotating bored tools (<i>first revision</i>) | Aug 2005 | |
| 42. | IS 7229:1974 | Recommended working level heights for woodworking machines | Aug 2005 | 1 |
| 43. | IS 7249:1993 /ISO 7568:1986 | Woodworking machines – Thickness planing machines with rotary cutter blocks of one side dressing – Nomenclature and acceptance conditions (<i>first revision</i>) | Oct 2008 | |
| 44. | IS 7258:1990 /ISO 7009:1983 | Woodworking machines – Single spindle moulding machines – Nomenclature and acceptance conditions (<i>first revision</i>) | Aug 2005 | |

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|---------|--------------------------------|---|----------|-------------------|
| 45. | IS 7266:1991 /ISO 7946:1985 | Test chart for woodworking slot mortising machines (<i>first revision</i>) | Dec 2006 | |
| 46. | IS 7267:1991 /ISO 7571:1986 | Test chart for woodworking surface planing machines with cutterblock for one-side dressing (<i>first revision</i>) | Dec 2006 | |
| 47. | IS 7279:1992 /ISO 7945:1985 | Test chart for woodworking single spindle boring machines (<i>first revision</i>) | Dec 2006 | |
| 48. | IS 7286:1991 /ISO 7950:1985 | Test chart for woodworking single chain mortising machines (<i>first revision</i>) | Dec 2006 | |
| 49. | IS 7287:1974 | Recommended working dimensions for woodworking machines | Aug 2005 | 1 |
| 50. | IS 7289:1992 /ISO 7569:1986 | Test chart for woodworking planing machines for two, three or four side dressing (<i>first revision</i>) | Oct 2008 | |
| 51. | IS 7294:1990 /ISO 7008:1983 | Woodworking machines – Single blade circular saw benches with or without traveling table – Nomenclature and acceptance conditions (<i>first revision</i>) | Oct 2008 | |
| 52. | IS 7296:1992 /ISO 7570:1986 | Test chart for woodworking surface planing and thickness machines (<i>first revision</i>) | Oct 2008 | |
| 53. | IS 8099:1976 | Sizes of collars for circular saw blades for woodworking machines | Feb 2010 | |
| 54. | IS 8107:1993 /ISO 7948:1987 | Woodworking machines – Routing machines – Nomenclature and acceptance condition (<i>first revision</i>) | Oct 2008 | |

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|---------|---------------------------------|--|----------|-------------------|
| 55. | IS 8131:1976 | Test chart for circular tables for machines tools (Table diameter upto 630mm) | Dec 2006 | 3 |
| 56. | * IS 8165:1976 | Test chart for manually operated dividing heads for machine tools | Dec 2006 | 1 |
| 57. | * IS 8407:1977 | Test chart for gear hobbing machines, standard precision (vertical axis) | Dec 2006 | 3 |
| 58. | IS 8964:1999 | Safety conditions for woodworking machines – Recommendations (<i>first revision</i>) | Feb 2010 | |
| 59. | IS 9474:1980 | Principles of mechanical guarding of machinery | Dec 2006 | |
| 60. | IS 9722:1981 ISO 2562:1973 | Dimensions for modular units for machine tool construction-slide units | Oct 2008 | |
| 61. | IS 9723:1981 ISO 2912:1973 | Dimensions for modular units for machine tool construction-multi-spindle heads-casing and input drive shaft dimensions | Oct 2008 | |
| 62. | IS 9737:1981 ISO 2727:1973 | Dimensions for modular units for machine tool construction-head stock | Oct 2008 | |
| 63. | IS 9809:1981 ISO 2433:1973 | Test chart for crankshaft grinding machines | Oct 2008 | |
| 64. | IS 10188:1982 ISO 2934:1973 | Dimensions for modular units for machine tool construction-wing bases for columns | Feb 2010 | 1 |

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|---------|---------------------------------|--|----------|-------------------|
| 65. | IS 10190:1982 ISO 1708:1979 | Test chart for copying lathes with horizontal spindle-lathes with swing over bed up to 500mm and distance between centers up to 1500mm | Dec 2006 | |
| 66. | IS 10352:1992 /ISO 2407:1984 | Test chart for internal cylindrical grinding machines with horizontal spindle (<i>first revision</i>) | Oct 2008 | |
| 67. | IS 10575:1983 ISO 3371:1975 | Dimensions for modular units for machine tool constructions – Rotary tables | Feb 2010 | |
| 68. | IS 10576:1983 ISO 2769:1973 | Dimensions for modular units for machine tool construction – Wing bases for slide units | Feb 2010 | |
| 69. | IS 10941:1984 | Sizes for dovetail guide ways for machine tools | Feb 2010 | |
| 70. | IS 10949:1984 | Code of practice for painting procedure for machine tools | Dec 2006 | |
| 71. | IS 10988:1984 | Method of measuring noise from machine tools (Excluding testing in anechoic chambers) | Feb 2010 | |
| 72. | IS 11011:1984 | Glossary of terms relating to woodworking machines | Dec 2006 | |
| 73. | IS 11016:1984 | General safety requirements for machine tools and their operation | Feb 2010 | |
| 74. | IS 11107:1984 ISO 3589:1975 | Dimensions for modular units for machine tool construction - Columns | Dec 2006 | |
| 75. | IS 11118:1997 | Guidelines for technical evaluation of general purpose parallel lathes (<i>first revision</i>) | Dec 2006 | |

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|---------|---|---|----------|-------------------|
| 76. | IS 11133:1984 ISO 5169:1977 | Recommendations for symbols for lubrications appearing on machine tools | Feb 2010 | |
| 77. | IS 11398(Pt 1):1985 ISO 6155-1:1981 | Test chart for horizontal spindle capstan, turret and single spindle automatic lathes – Part 1: Machinable bar diameters greater than 25mm | Dec 2006 | |
| 78. | IS 11398(Pt 2):1992 /ISO 6155-2:1986 | Test chart for horizontal spindle capstan, turret and single spindle automatic lathes – Part 2: Machinable bar dia. 25mm or less and chuck dia. up to 160mm | Feb 2010 | |
| 79. | IS 11648:1986 | Nomenclature for modular machine tools | Dec 2006 | |
| 80. | IS 11846:1987 ISO 3476:1975 | Dimensions for modular units for machine tool construction – Tennon drive and flanges for mounting multi-spindle heads | Dec 2006 | |
| 81. | * IS 11958(Pt 1):1987 ISO 3070-1:1987 | Test chart for boring and milling machines with horizontal spindle – Part 1: Table type machines | Dec 2006 | |
| 82. | IS 11958(Pt 2):1992 /ISO 3070-2:1978 | Test chart for boring and milling machines with horizontal spindle – Part 2: Floor type machines | Oct 2008 | |
| 83. | IS 12106:1987 ISO 3590:1976 | Dimensions for modular units for machine tool construction – Spindle units | Dec 2006 | |
| 84. | IS 12295:2000 | Test chart for external cylindrical centreless grinding machines (<i>first revision</i>) | Oct 2008 | |
| 85. | IS12296:1988 | Test chart for thread rolling machines with cylindrical dies | Oct 2008 | |

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|---------|--|--|----------|-------------------|
| 86. | IS 12850:1987 /ISO 3610:1976 | Modular units for machine tool construction – Support brackets | Dec 2006 | |
| 87. | IS 13543:1992 /ISO 2891:1977 | Modular units for machine tool construction – Centre bases and columns | Oct 2008 | |
| 88. | IS 13552:1992 /ISO 1985:1985 | Test chart for surface grinding machines with vertical grinding wheel spindle and reciprocating table | Oct 2008 | |
| 89. | IS 13634:1993 /ISO 1701:1984 | General introduction for milling machines with table of variable height with horizontal or vertical spindle | Oct 2008 | |
| 90. | IS 13635:1993 /ISO 2972:1979 | Numerical control of machines - Symbols | Oct 2008 | |
| 91. | IS 13640:1993 /ISO 1984:1984 | General introduction for milling machines with table of fixed height with horizontal or vertical spindle | Oct 2008 | |
| 92. | IS 13934:1994 /ISO 4703:1984 | Test chart for surface grinding machines with two columns for grinding slideways | Feb 2010 | |
| 93. | IS 13993:1994 ISO 1701:1974 | Test chart for universal milling machine with a swivelling table | Feb 2010 | 1 |
| 94. | IS 15250(Part 1):2002 /ISO 10791-1:1998 | Test condition for machining centers – Part 1: Geometric tests for machines with horizontal spindle and with accessory heads (Horizontal Z-axis) | Oct 2008 | |
| 95. | IS/ISO 5170:1977 | Machine tools – Lubrication systems | Dec 2006 | |
| 96. | IS/ISO 7572:1984 | Conditions of acceptance and installation for work holding fixed tables of machine tools | Dec 2006 | |

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|---------|--------------------|---|----------|-------------------|
| 97. | IS/ISO 8636-1:1987 | Test chart for plano milling machines – Part 1: Portal type | Dec 2006 | |
| 98. | IS 15649:2006 | Machine Tools – Chip bins for Chip Conveyor | | |

DRAFT STANDARDS UNDER PRINTING

| | |
|-------------|---|
| PG 03(1035) | Acceptance conditions for gear hobbing machines -- Testing of the accuracy (<i>First revision of IS 8407</i>) |
| PG 03(1036) | Acceptance conditions of mechanical dividing heads for machine tools -- Testing of accuracy (<i>First revision of IS 8165</i>) |
| PG 03(1037) | Test conditions for boring and milling machines with horizontal spindle -- Testing of the accuracy -- Part 2: Table-type machines {(<i>First revision of IS 11958(Part 1)</i>)} (PRESENTLY WITHELD) |
| PG 03(1038) | Amendment 1 to IS 8131 : 1976 Test chart for circular tables for machine tools (table diameter up to 630 mm) |

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**PG 04 METAL FORMING MACHINES
SECTIONAL COMMITTEE**

SCOPE: a) Standardization in the field of various technical aspects of metal forming machines both by hot and cold processes and their machines (Presses, press brakes shears, shear blades, moulds, forging machines, nibs and dies for wire and tube drawing operations etc. and their related toolings).

b) Co-ordination of work with:

- i) ISO/TC 29/SC 8 Tools for pressing and moulding
- ii) ISO/TC 39 Machine tools

CORRESPONDING ISO COMMITTEE(S):

ISO/TC 29/SC 8 Tools for Pressing and Moulding
ISO/TC 39 Machine tools

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|--|---|----------|-------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 2515:1978 | Test chart for guillotine shears (<i>first revision</i>) | Mar 2011 | |
| 2. | IS 4296(Part 1):2002 /ISO 6752:1984 | Tools for pressing - Round punches with 60° conical head and straight shank (<i>first revision</i>) | Oct 2008 | |
| 3. | IS 4296(Part 2):2002 /ISO 8020:1992 | Tools for pressing – Round punches with cylindrical head and reduced shank | Oct 2008 | |
| 4. | IS 4296(Part 3):2002 /ISO 8021:1986 | Tools for pressing - Round punches with cylindrical head and straight shank | Oct 2008 | |
| 5. | IS 4296(Part 4):2002 /ISO 9181:1990 | Tool for pressing – Round punches with 60° conical head and reduced shank (<i>first revision</i>) | Oct 2008 | |
| 6. | IS 4592:2002 /ISO 6899:1984 | Acceptance condition of open front mechanical power presses – Testing of the accuracy (<i>first revision</i>) | Oct 2008 | |

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|---------|--------------------------------|--|----------|-------------------|
| 7. | IS 4593:1968 | Test chart for straight sided presses | Mar 2011 | |
| 8. | IS 4918:1981 ISO 1684:1975 | Hard metal (Carbide) wire, bar and tube drawing dies (<i>first revision</i>) | Oct 2008 | |
| 9. | IS 6652(Pt 1):1986 | Glossary of terms relating to metal forming machines and tools - Part 1: Metal forming tools (<i>first revision</i>) | Mar 2011 | |
| 10. | IS 6652(Pt 2):1986 | Glossary of terms relating to metal forming machines and tools - Part 2: Metal forming machines relating to sheet metal (<i>first revision</i>) | Mar 2011 | |
| 11. | IS 6652(Pt 3):1986 | Glossary of terms relating to metal forming machines and tools - Part 3: Metal forming technology and operations relating to sheet metal (<i>first revision</i>) | Dec 2006 | |
| 12. | IS 7468:1974 | Recommendation on preferred strokes for mechanical and hydraulic presses | May 2010 | 1 |
| 13. | IS 7469:1974 | Recommendations on preferred capacities for mechanical and hydraulic presses | Oct 2008 | |
| 14. | IS 7664:2005 | Guide pillar for press tool die sets - Specification (<i>second revision</i>) | Mar 2011 | |
| 15. | IS 7706:1975 | Bolster plates for gap frame presses without die cushion | Mar 2011 | |
| 16. | IS 7707:1975 | Bolster plates for gap frame presses with die cushion | Mar 2011 | |
| 17. | IS 8064:2002 | Method of designation of mechanical and hydraulic presses (<i>second revision</i>) | Oct 2008 | |

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|---------|--------------------------------|--|----------|-------------------|
| 18. | IS 8127:2005 | Guide bushes for press tool die sets – specification (second revision) | Mar 2011 | |
| 19. | IS 8711:2002 | Gap frame open-front mechanical presses – Capacity, ratings and dimensions (<i>first revision</i>) | Oct 2008 | |
| 20. | IS 9266(Pt 1):1979 | Press working die sets – Boss type – Part 1: Centre post rectangular die sets | Mar 2011 | 1 |
| 21. | IS 9266(Pt 2):1979 | Press working die sets – Boss type – Part 2: Centre post square die sets | Mar 2011 | 1 |
| 22. | IS 9266(Pt 3):1979 | Press working die sets – Boss type – Part 3: Centre post round die sets | Mar 2011 | 1 |
| 23. | IS 9266(Pt 4):1990 | Press working die sets – Boss type – Part 4: Centre post reverse rectangular die sets | Dec 2006 | |
| 24. | IS 9888:1981 ISO 2804:1973 | Dimensions for sintered pellets hard metal (Carbide) for wire, bar and tube drawing dies | Oct 2008 | |
| 25. | IS 10068(Pt 1):1982 | Press working die sets (Plain type) – Part 1: Centre post rectangular die sets | May 2010 | 1 |
| 26. | IS 10068(Pt 2):1982 | Press working die sets (Plain type) – Part 2: Centre post square die sets | May 2010 | 2 |
| 27. | IS 10068(Pt 3):1990 | Press working die sets (Plain type) – Part 3: Centre post round die sets | Dec 2006 | |
| 28. | IS 10068(Pt 4):1997 | Press working die sets (Plain type) – Part 4: Rear post rectangular die sets | Dec 2006 | |
| 29. | IS 10068(Pt 5):1996 | Press working die sets (Plain type) – Part 5: Rear post square die sets | Dec 2006 | |
| 30. | IS 10068(Pt 6):1996 | Press working die sets (Plain type) – Part 6: Rear post round die sets | Dec 2006 | |

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| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---|--|----------|-------------------|
| 31. | IS 10644:1983 | Recommendation for preferred shut heights for mechanical presses | May 2010 | 1 |
| 32. | IS 10650:1983 | Pressure pins | May 2010 | 1 |
| 33. | IS 10731:2000 | Dimensions for slide face opening for locating the shanks | Mar 2011 | |
| 34. | IS 11344:1985 /ISO 5407:1981 | Dimensions for sintered carbide pellets used in heading dies | May 2010 | |
| 35. | IS 11372:1985 | Proforma for purchase specification and technical features for belt drop banners | May 2010 | 1 |
| 36. | IS 11443(Part 1):2003 /ISO 6753-1:1994 | Tools for pressing and moulding-machined plates – Part 1: Machined plate for press tools jigs and fixtures (<i>first revision</i>) | Oct 2008 | |
| 37. | IS 11443(Part 2):2003 /ISO 6753-2:1994 | Tools for pressing and moulding – machined plates – Part 2: Machined plates for moulds (<i>first revision</i>) | Oct 2008 | |
| 38. | IS 11505:1986 /ISO 5396:1977 | Recommendations on terminology of hard metal heading dies | May 2010 | |
| 39. | IS 11524:1986 /ISO 1651:1974 | Carbide mandrels for tube drawing dies | Mar 2011 | |
| 40. | IS 11684:1986 | Test chart for spinning and planishing lathes | Mar 2011 | |
| 41. | IS 11742:1986 | Test chart for die sets | Mar 2011 | |
| 42. | IS 12665(Pt 1):1989 | Press working tools – Shanks – Part 1: General dimensions and survey | May 2010 | |
| 43. | IS 12665(Pt 2):1989 | Press working tools – Shanks – Part 2: Shanks to suit rivetting | May 2010 | |

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|----------------|-----------------------|---|-----------------|--------------------------|
| 44. | IS 12665(Pt 3):1989 | Press working tools – Shanks – Part 3: Shanks with screwed shaft | May 2010 | |
| 45. | IS 12665(Pt 4):1989 | Press working tools – Shanks – Part 4: Shanks with neck and collar | May 2010 | |
| 46. | IS 12665(Pt 5):1996 | Press working tools – Shanks – Part 5: Shanks with square flanges | May 2010 | |
| 47. | IS 12665(Pt 6):1996 | Press working tools – Shanks – Part 6: Shanks with rectangular flanges | Oct 2008 | |
| 48. | IS 12665(Pt 7):1996 | Press working tools – Shanks – Part 7: Shanks with screwed shaft and collar | Dec 2006 | |
| 49. | IS 12852:1989 | Gap frame hydraulic presses up to 4000km – Recommendation on preferred capacities and dimensions | May 2010 | 1 |
| 50. | IS 12984:1990 | Proforma for purchase specification for plate bending machines | Mar 2011 | |
| 51. | IS 14497:1997 | Capacity rating and dimensions for trimming presses | Oct 2008 | |
| 52. | IS 14757:2000 | Recommendations on preferred capacities and dimensions for straight sided column type and four pillar type hydraulic presses | May 2010 | |
| 53. | IS 14758:2000 | Forging machines tools – Glossary of terms | May 2010 | |
| 54. | IS 14877(Pt 1):2000 | Hydraulic presses – Straight sided column/C frame type– Part 1: Test chart for geometrical accuracy | Mar 2011 | |
| 55. | IS 14877(Pt 2):2002 | Hydraulic presses –Straight sided column/C-frame type - Part 2: Test chart for technical (performance) evaluation of presses and press brakes | Oct 2008 | |

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|---------|--|---|----------|-------------------|
| 56. | IS 14878:2000 | Test chart for plate bending machines | Mar 2011 | |
| 57. | IS 15300:2002 /ISO 8695:1987 | Tools for pressing – Punches – Nomenclature and terminology | Oct 2008 | |
| 58. | IS 15318:2003 /ISO 8540:1993 | Open front mechanical power presses – Vocabulary | Oct 2008 | |
| 59. | IS 15424(Part 1): 2004 /ISO 9182-1:1992 | Tools for Pressing – Guide Pillars – Part 1 Type | May 2010 | |
| 60. | IS 15424(Part 2): 2004 /ISO 9182-2:1992 | Tools for Pressing – Guide Pillars – Part 2 Type A Straight Pillars | May 2010 | |
| 61. | IS 15424(Part 3): 2004 /ISO 9182-3:1992 | Tools for Pressing - Guide Pillars – Part 3 Type B End – Locking Pillars | May 2010 | |
| 62. | IS 15424(Part 4): 2004 /ISO 9182-4:1992 | Tools for Pressing – Guide Pillars – Part 4 Type C Pillars with Taper Lead and Bushes | May 2010 | |
| 63. | IS 15424(Part 5): 2004 /ISO 9182-5:1992 | Tools for Pressing – Guide Pillars – Part 5 Type D End Locking Pillars with Flange | May 2010 | |
| 64. | IS 15448(Part 1): 2004 /ISO 9448-1:1991 | Tools for Pressing – Guide Bushes – Part 1 Forms | May 2010 | |
| 65. | IS 15448(Part 2): 2004 /ISO 9448-2:1991 | Tools for Pressing – Guide Bushes – Part 2 Form A, Gliding Bushes, Plain Type 1 | May 2010 | |
| 66. | IS 15448(Part 3): 2004 /ISO 9448-3:1991 | Tools for Pressing – Guide Bushes – Part 3 Form B, Ball Cage Bushes, Plain, Type 1 | May 2010 | |
| 67. | IS 15448(Part 4): 2004 /ISO 9448-4:1991 | Tools for Pressing – Guide Bushes – Part 4 Form C, Gliding Bushes, Headed, Type 1 | May 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--|---|----------|-------------------|
| 68. | IS 15448(Part 5): 2004 /ISO 9448-5:1991 | Tools for Pressing – Guide Bushes – Part 5 Form D, Ball Cage Bushes Headed, Type 1 | May 2010 | |
| 69. | IS 15448(Part 6): 2004 /ISO 9448-6:1991 | Tools for Pressing – Guide Bushes – Part 6 Form E, Gliding Bushes, Flanged, Type 1 | May 2010 | |
| 70. | IS 15448 (Part 7): 2004 /ISO 9448-7:1991 | Tools for Pressing – Guide Bushes – Part 7 Form F, Ball Cage Bushes, Flanged, Type 1 | May 2010 | |
| 71. | IS 15448 (Part 8): 2004 /ISO 9448-8:1991 | Tools for Pressing – Guide Bushes – Part 8 Form G, Gliding Bushes, Stepped, Type 1 | May 2010 | |
| 72. | IS 15448 (Part 9): 2004 /ISO 9448-9:1992 | Tools for Pressing – Guide Bushes – Part 9 Form B, Ball Cage Bushes, Plain, Type 2 | May 2010 | |
| 73. | IS 15448 (Pt 10): 2004 /ISO 9448-10:1992 | Tools for Pressing – Guide Bushes – Part 10 Form E, Gliding Bushes, Flanged, Type 2 | May 2010 | |
| 74. | IS 15448 (Pt 11): 2004 /ISO 9448-11:1992 | Tools for Pressing – Guide Bushes – Part 11 Form F, Ball Cage Bushes, Flanged, Type 2 | May 2010 | |
| 75. | IS 15744:2007 | Angular Deflection for “C” Frame Mechanical Presses – Specification | | |
| 76. | IS 15745:2007 | Deflection for Straight Sided Mechanical Presses - Specification | | |
| 77. | IS 15746:2007 | Angular Deflection of “C” Frame Hydraulic Presses – Specification | | |
| 78. | IS 15747:2007 | Deflection for Straight Sided Hydraulic Presses - Specification | | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

PG 05 ASSEMBLY HAND TOOLS SECTIONAL COMMITTEE

SCOPE: a) Standardization in the field of pliers, nippers, wrenches, files, non-spark safety tools and other assembly tools

b) Co-ordination of work with:

i) ISO/TC 29/SC 10 Assembly tools for screws and nuts, pliers and nippers

CORRESPONDING ISO COMMITTEE(S):

ISO/TC 29/SC 10 Assembly Tools for Screws and Nuts, Pliers and Nippers.

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|-----------------------|---|-----------------|--------------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 844(Part 1) :1979 | Screwdriver – Part 1: Technical supply conditions (<i>second revision</i>) | Jan 2011 | |
| 2. | IS 844(Part 2): 1979 | Screwdriver – Part 2: Dimensions (<i>second revision</i>) | Jan 2011 | |
| 3. | IS 844 (Part 3): 1979 | Screwdriver – Part 3: Dimensions for screw drivers for recessed head screws(<i>second revision</i>) | Jan 2011 | |
| 4. | IS 1931:2000 | Engineer’s files – Specification (<i>third revision</i>) | Jan 2011 | |
| 5. | IS 2027:1992 | Spanners and sockets – width across flats (<i>third revision</i>) | Feb 2008 | 1 |
| 6. | IS 2028: 2004 | Open jaw wrenches (Spanners)- Specification(<i>fifth revision</i>) | July 2009 | |
| 7. | IS 2029:1998 | Ring wrenches (Spanners)- Specification (<i>fourth revision</i>) | Feb 2008 | |
| 8. | IS 2030:1989 | Specification for Box spanners (<i>second revision</i>) | July 2009 | |
| 9. | IS 2615:1989 | Pliers, pincers and nippers – Technical supply conditions (<i>second revision</i>) | July 2009 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---------------------------------|---|-----------|-------------------|
| 10. | IS 3082: 2008 /ISO 2936:2001 | Assembly tools for screws and nuts – Hexagon socket screw keys (<i>Third revision of IS 3082</i>) | | |
| 11. | IS 3152:1980 | Specification for Needle files (<i>first revision</i>) | Oct 2008 | |
| 12. | IS 3529:1966 | Specification for Eyelet pliers | Oct 2008 | |
| 13. | IS 3552:1989 ISO 5745:1982 | Pliers – Flat nose without cutter, long-Specification (<i>second revision</i>) | July 2009 | |
| 14. | IS 3568:1990 | Round nose pliers - Specification (<i>first revision</i>) | Jan 2011 | |
| 15. | IS 3569:1966 | Specification for Burner pliers | Oct 2008 | |
| 16. | IS 3587:1986 | Specification for Rasps (<i>second revision</i>) | Oct 2008 | 1 |
| 17. | IS 3650:1981 | Specification for Combination side cutting pliers (<i>second revision</i>) | Jan 2011 | 1 |
| 18. | IS 4003(Part 1): 1978 | Specification for Pipe wrenches – Part 1: General purpose (<i>first revision</i>) | Jan 2011 | 2 |
| 19. | IS 4003(Part 2): 1986 | Specification for Pipe wrenches – Part 2: Heavy duty (<i>first revision</i>) | Feb 2008 | |
| 20. | IS 4095:1991 | Pincers - Specification (<i>second revision</i>) | Feb 2008 | |
| 21. | IS 4123:1982 | Specification for Chain pipe wrenches (<i>first revision</i>) | Jan 2011 | 3 |
| 22. | ** IS 4378(Part 1): 1990 | Specification for Nippers – Part 1: Diagonal cutting nippers (<i>second revision</i>) | Feb 2011 | |
| 23. | ** IS 4378(Part 2): 1990 | Specification for Nippers – Part 2: End cutting nippers (<i>second revision</i>) | Feb 2011 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|-----------------|---|-----------|-------------------|
| 24. | IS 4481:1988 | Specification for Dock-bill pliers (<i>first revision</i>) | Oct 2008 | |
| 25. | IS 4485:1968 | Specification for track spanners for railways | Oct 2008 | 1 |
| 26. | ** IS 4500:1967 | Specification for pipe wrenches, foot print type | Oct 2008 | |
| 27. | IS 4508:1992 | Open ended slugging wrenches (Spanners) – Specification (<i>first revision</i>) | Feb 2008 | 2 |
| 28. | ** IS 4509:1992 | Ring slugging wrenches (Spanners) – Specification (<i>first revision</i>) | Feb 2008 | 2 |
| 29. | IS 4595:1969 | General requirements for non-sparking tools | Jan 2011 | |
| 30. | IS 4806:1968 | Specification for heat-coil pliers | Jan 2011 | |
| 31. | IS 5006:1968 | Specification for battery terminal pliers | July 2009 | |
| 32. | IS 5066:1969 | Specification for glass pliers | July 2009 | |
| 33. | IS 5067:1969 | Specification for fencing pliers | July 2009 | |
| 34. | IS 5068:1969 | Specification for grab book | July 2009 | |
| 35. | IS 5087:1969 | Specification for wire stripping pliers | July 2010 | 1 |
| 36. | IS 5122:1969 | Specification for tyre levers | July 2009 | |
| 37. | IS 5167:1981 | Specification for punched open-jaw wrenches (Spanners)(<i>first revision</i>) | Jan 2011 | |
| 38. | IS 5200:1998 | Bolt clippers- Specification (<i>first revision</i>) | Oct 2008 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|-----------------------------------|--|-----------|-------------------|
| 39. | IS 5658:1990 | Snipe nose pliers – Specification (<i>first revision</i>) | Jan 2011 | |
| 40. | IS 5995:1971 | Specification for pipe grip pliers | Jan 2011 | 1 |
| 41. | IS 6002:1992 | Tommy bars for box spanners (<i>first revision</i>) | Feb 2008 | |
| 42. | ** IS 6078:1986 ISO 5746:1982 | Specification for lineman’s pliers (<i>second revision</i>) | Feb 2008 | |
| 43. | ** IS 6086:1990 ISO 5747:1984 | Parallel action flat nose pliers – Specification (<i>first revision</i>) | Jan 2011 | |
| 44. | ** IS 6118:1991 ISO 8976:1988 | Multiple slip-joint pliers – Specification (<i>first revision</i>) | Jan 2011 | |
| 45. | IS 6129:1971 | Specification for square box wrenches (Spanners) | Oct 2008 | |
| 46. | ** IS 6130:1989 | Single square socket tee wrenches (Spanners) – Specification (<i>first revision</i>) | July 2009 | |
| 47. | IS 6131:1980 ISO 1711:1975 | Technical requirements for hand operated wrenches (Spanners) and sockets (<i>first revision</i>) | Oct 2008 | 1 |
| 48. | IS 6149:1984 ISO 6787:1982 | Single-ended open-jaw adjustable wrenches (<i>first revision</i>) | Jan 2011 | 1 |
| 49. | ** IS 6293:1996 ISO 1703:1983 | Assembly tools for screws and nuts – Nomenclature (<i>second revision</i>) | July 2006 | |
| 50. | IS 6374:1971 | Specification for hexagonal box wrenches (Spanners) | July 2010 | |
| 51. | IS 6379:1989 | Single ended ring wrenches(Spanners) – Specification (<i>first revision</i>) | Jan 2011 | |

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/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---|--|-----------|-------------------|
| 52. | IS 6389:1998 | Combination wrenches with equal openings- Specification (<i>second revision</i>) | Oct 2008 | 1 |
| 53. | IS/ISO 6789: 2003 | Assembly tools for screws and nuts – Hand torque tools – Requirement and test methods for design conformance testing, quality conformance testing and recalibration procedure (<i>superseding IS 7145:1973 & IS 7268:1974</i>) | Oct 2008 | |
| 54. | IS 7214:1974 | Specification for driving squares for hand sockets wrenches | Oct 2008 | 1 |
| 55. | IS 7381:1986 ISO 2725:1987 | Specification for hand operated square drive socket wrenches (<i>first revision</i>) | Oct 2008 | |
| 56. | IS 7663:1975 | Specification for box spanners for rail screws | Oct 2008 | 1 |
| 57. | ** IS 7939:1976 | Specification for flare nut wrench, double ended, flat | Oct 2008 | |
| 58. | ** IS 7975(Pt 1):1976 ISO 3315:1988 | Driving parts for hand-operated square drive socket wrenches – Part 1: Technical supply conditions | July 2009 | |
| 59. | IS 7975(Pt 2):1991 ISO 3315:1988 | Driving parts for hand-operated square drive socket wrenches – Part 2: Dimensions (<i>first revision</i>) | July 2009 | |
| 60. | ** IS 7989:1976 | Specification for pliers for internal circlips | Oct 2008 | |
| 61. | ** IS 7990:1976 | Specification for pliers for external circlips | Oct 2008 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|-----------------------------------|--|-----------|-------------------|
| 62. | * IS 7991:1991 ISO 3316:1988 | Attachments for hand operated square drive socket wrenches - Specification (<i>first revision</i>) | Feb 2008 | |
| 63. | IS 7993:1988 | Specification for power operated square drive socket wrenches (Impact) (<i>first revision</i>) | Oct 2008 | |
| 64. | IS 7996:1976 ISO 1174:1975 | Specification for driving squares for power socket wrenches | Oct 2008 | 2 |
| 65. | IS 8668:1984 ISO 2352:1982 | Dimensions for spiral ratchet screw driver shanks (<i>first revision</i>) | Jan 2011 | |
| 66. | ** IS 8669:1992 ISO 1173:1980 | Hexagon drive ends for power tools – Dimensions (<i>first revision</i>) | July 2010 | |
| 67. | ** IS 8670:1977 | Specification for screwdrivers for hexagon insert bits | Oct 2008 | |
| 68. | IS 8672:1989 ISO 5745:1982 | Pliers-flat nose without cutter, short – Specification (<i>first revision</i>) | July 2009 | |
| 69. | ** IS 9063:1986 | Specification for hook spanners (<i>first revision</i>) | Feb 2008 | |
| 70. | IS 10372:1982 | Specification for lock grip pliers | Oct 2008 | |
| 71. | ** IS 11379:1985 | Specification for wrenches for retaining screw for milling arbor | Jan 2011 | |
| 72. | * IS 11526:1986 ISO 5742:1982 | Nomenclature for pliers, pincers and nippers | Feb 2008 | |
| 73. | IS 11847:1987 | Spoke wrenches for bicycle and moped | Feb 2008 | |
| 74. | ** IS 11848:1987 | Specification for crowfoot spanners | Feb 2008 | |
| 75. | IS 11874:1987 | Specification for hexagonal socket offset wrenches | Feb 2008 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------|-----------------------|--|-----------------|--------------------------|
| 76. | IS 12153:1987 | Specification for adaptors for hexagonal insert bits for use with ratchet screwdriver | Feb 2008 | |
| 77. | IS 12166:1987 | Specification for ratchet screwdrivers | Feb 2008 | |
| 78. | IS 12167:1987 | Specification for spiral ratchet screwdrivers | Feb 2008 | |
| 79. | IS 12168(Pt 1):1987 | Specification for screw driver bits for use with ratchet screw drivers: Part 1 For slotted head screws | Feb 2008 | |
| 80. | IS 12168(Pt 2):1987 | Specification for screwdriver bits for use with ratchet screwdrivers – Part 2: For cross recessed head screws | Feb 2008 | |
| 81. | IS 12403:1988 | Specification for spanners for conveyors belt - fasteners | Oct 2008 | |
| 82. | IS 12453:1988 | Specification for nut drivers | Oct 2008 | |
| 83. | IS 12470:1988 | Specification for square drive extension for hexagon insert bits for power socket wrenches | Oct 2008 | |
| 84. | IS 12476:1988 | Hexagon drive extensions (Adaptors) for hexagon insert bits for power socket wrenches | Oct 2008 | |
| 85. | IS 12480:1988 | Specification for spiral tapered screw extractors | Oct 2008 | |
| 86. | IS 12481:1988 | Specification for hexagonal insert bits for hexagon socket head cap screws and hexagon socket set screws for power tools | Oct 2008 | |
| 87. | ** IS 12521:1988 | Specification for cross rim wrenches | Oct 2008 | |
| 88. | IS 12577:1989 | Sealing pliers - Specification | July 2009 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
 / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|------------------------------------|--|----------|-------------------|
| 89. | IS 12985:1990 | Nippers, end cutting – Toggle lever assisted – Specification | Jan 2011 | |
| 90. | ** IS 13323:1992 | Slip joint pliers - Specification | Feb 2008 | |
| 91. | ** IS 13610:1993 ISO 8979:1988 | Electronics pliers and nippers - Nomenclature | Oct 2008 | |
| 92. | IS 13636:1993 | Pliers and nippers for electronics – Technical supply conditions | Oct 2008 | |
| 93. | IS 13761:1993 | Pliers and nippers for electronics – Single purpose nippers – End cutting nippers – Specification | Oct 2008 | |
| 94. | IS 13762:1993 | Pliers and nippers for electronics – Single purpose nippers – Diagonal cutting nippers – Specification | Oct 2008 | |
| 95. | IS 13763:1993 | Pliers and nippers for electronics – Single purpose nippers – Oblique cutting nippers – Specification | Oct 2008 | |
| 96. | IS 13764:1993 | Pliers and nippers for electronics – Single purpose pliers – Round nose pliers - Specification | Oct 2008 | |
| 97. | IS 13765:1993 | Pliers and nippers for electronics – Single purpose pliers – Flat nose pliers - Specification | Oct 2008 | |
| 98. | IS 13766:1993 | Pliers and nippers for electronics – Single purpose pliers – Snipe nose pliers - Specification | Oct 2008 | |
| 99. | IS 13887:1993 ISO 5747:1984 | Nippers – Lever assisted – Diagonal cutting - Specification | Oct 2008 | |
| 100. | IS 13888:1993 ISO 5747:1984 | Nippers – Lever assisted – End cutting – Specification | Oct 2008 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

DOCUMENTS FINALIZED FOR PRINTING

- PG 05(1127) Draft Amendment No. 1 to IS 1931: 2000 Engineer's Files – Specification (*Third Revision*)
- PG 05(1128) Draft Amendment No.1 to IS 2030: 1989 Box Spanners – Specification (*Second revision*)
- PG 05(1129) Draft Amendment No. 2 to IS 6149: 1984 Specification for Single-ended Open-jaw Adjustable Wrenches (*First Revision*)
- PG 05(1130): Assembly tools for screws and nuts -- Attachments for hand-operated square drive socket wrenches -- Dimensions and tests (*Second Revision of IS 7991*)
- PG 05(1131): Pliers and nippers -- Nomenclature (*First Revision of IS 11526*)

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
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**PG 06 EARTH, METAL AND WOOD WORKING
HAND TOOLS SECTIONAL COMMITTEE**

SCOPE: a) Standardization in the field of earth working, metal working tools and wood working hand tools and manually portable forest machinery
b) Co-ordination of work related to metal working tools and wood working hand tools of:

- i) ISO/TC 29 Small tools
- ii) ISO/TC 23/SC 17 Manually portable forest machinery

CORRESPONDING ISO COMMITTEE(S):

ISO/TC 23/SC 17 Manually portable forest machinery

ISO/TC 29 Small tools

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|----------------|---|-----------|-------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 273:1990 | Picks and beaters – Specification <i>(fourth revision)</i> | Feb 2008 | 1 |
| 2. | IS 274:1981 | Specification for Shovels Part 1 General purpose shovels; Part 2 Heat treated shovels <i>(third revision)</i> | Feb 2008 | 2 |
| 3. | ** IS 402:1990 | Cold chisels - Specification <i>(third revision)</i> | Feb 2008 | |
| 4. | IS 413:1974 | Specification for round punches <i>(second revision)</i> | Feb 2008 | 1 |
| 5. | IS 510:1986 | Specification for blacksmith’s anvils <i>(third revision)</i> | Feb 2008 | |
| 6. | IS 552:1965 | Specification for smith bits (revised) | Oct 2008 | |
| 7. | IS 663:1980 | Specification for adzes <i>(second revision)</i> | Oct 2008 | |
| 8. | IS 703:1999 | Axes – Specification <i>(second revision)</i> | June 2010 | |
| 9. | IS 704:1984 | Specification for crow-bars and claw-bars <i>(second revision)</i> | June 2010 | 2 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---------------------------------|--|-----------|-------------------|
| 10. | IS 841:1983 | Specification for steel hammers (<i>second revision</i>) | June 2010 | 3 |
| 11. | IS 842:1968 | Specification for smith swages (<i>first revision</i>) | Oct 2008 | 2 |
| 12. | IS 843:1968 | Specification for smith tongs (<i>first revision</i>) | Oct 2008 | |
| 13. | IS 845:1974 | Specification for swage blocks and stands (<i>first revision</i>) | Oct 2008 | |
| 14. | IS 846:1968 | Specification for smith's flatters (<i>first revision</i>) | June 2010 | |
| 15. | IS 847:1968 | Specification for smith fullers (<i>first revision</i>) | June 2010 | |
| 16. | IS 1759:1986 | Specification for powrahs (<i>second revision</i>) | Feb 2008 | 1 |
| 17. | IS 1930:2003 / ISO 2729:1995 | Woodworking tools - Chisels and gouges (<i>third revision</i>) | Feb 2008 | |
| 18. | IS 2586:1986 | Specification for bench vices (<i>second revision</i>) | Feb 2008 | 1 |
| 19. | IS 2587:1975 | Specification for pipe vices (Open side type and fixed sides type) (<i>first revision</i>) | Oct 2008 | |
| 20. | IS 2588:1975 | Specification for blacksmith's vices (<i>first revision</i>) | Oct 2008 | |
| 21. | IS 2852:1998 | Carpenter's augers - Specification (<i>first revision</i>) | Feb 2008 | |
| 22. | ** IS 2989:1980 | Specification for keys for lathe chucks (<i>first revision</i>) | Oct 2008 | |
| 23. | IS 4017:1992 | Carpenters' squares - Specification (<i>first revision</i>) | Oct 2008 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|-----------------|--|-----------|-------------------|
| 24. | ** IS 4506:1989 | Hand tools – Forks, general purpose (<i>first revision</i>) | June 2010 | |
| 25. | IS 4915:1968 | Specification for welders' chipping hammer | June 2010 | 1 |
| 26. | IS 5098:1969 | Specification for cross cut and rip saws | June 2010 | |
| 27. | ** IS 5123:1969 | Specification for tenon and dovetail saws | June 2010 | |
| 28. | IS 5169:1986 | Specification for hacksaw frames (<i>first revision</i>) | Feb 2008 | |
| 29. | IS 5657:1970 | Specification for jim crows | June 2010 | 1 |
| 30. | IS 5663:1970 | Specification for brick and mason's chisels | June 2010 | |
| 31. | IS 5684:1970 | Specification for pipe vices (chain type) | June 2010 | |
| 32. | IS 5697:1970 | Specification for ripping chisels | June 2010 | 1 |
| 33. | IS 5991:1971 | Specification for ballast rakes | June 2010 | 1 |
| 34. | IS 6000:1971 | Specification for rail tongs for railways | June 2010 | |
| 35. | IS 6007:1971 | Specification for pipe vices (Hinged type) | June 2010 | |
| 36. | IS 6087:1971 | Specification for metal cutting shears | Jan 2011 | |
| 37. | IS 6375:1991 | Wood splitting wedges - Specification (<i>first revision</i>) | Feb 2008 | |
| 38. | ** IS 6546:1989 | Claw hammers - Specification (<i>first revision</i>) | June 2010 | 1 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|-----------------|--|-----------|-------------------|
| 39. | IS 6835:1973 | Specification for drifts | Jan 2011 | |
| 40. | ** IS 6836:1973 | Specification for hand snaps and set-ups for solid rivets | Jan 2011 | 1 |
| 41. | IS 6837:1973 | Specification for three wheel type pipe cutters | Feb 2008 | 1 |
| 42. | IS 6841:1973 | Specification for wrecking bars | Jan 2011 | |
| 43. | IS 6843:1984 | Technical supply conditions for pipe cutters (<i>first revision</i>) | Jan 2011 | |
| 44. | IS 6844:1984 | Specification for wood and leather marking punches (<i>first revision</i>) | June 2010 | 1 |
| 45. | IS 6845:1973 | Specification for wire basket for screening ballast | Jan 2011 | |
| 46. | IS 6860:1973 | Specification for pin punches | Jan 2011 | 1 |
| 47. | ** IS 6861:1973 | Specification for engineers' scrappers | Jan 2011 | |
| 48. | IS 6864:1984 | Specification for metal marking punches (<i>first revision</i>) | Jan 2011 | |
| 49. | IS 6881:1973 | Specification for link type pipe cutters | Jan 2011 | |
| 50. | IS 6883:1973 | Specification for ballast screen | Jan 2011 | |
| 51. | IS 6891:1973 | Specification for carpenters' auger bits | June 2010 | 1 |
| 52. | IS 6892:1973 | Specification for blacksmith's bick-iron | Jan 2011 | |
| 53. | IS 7040:1973 | Specification for smith's anvil cutters | Jan 2011 | |
| 54. | IS 7041:1973 | Specification for carpenters' plain brace | June 2010 | 1 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|----------------|--|-----------|-------------------|
| 55. | IS 7042:1973 | Specification for carpenters' ratchet brace | June 2010 | 2 |
| 56. | IS 7077:1973 | Specification for bending bars | Jan 2011 | |
| 57. | IS 7125:1974 | Technical supply conditions for carpenters' braces | Oct 2008 | |
| 58. | IS 7177:1999 | Centre punches – Specification (<i>first revision</i>) | June 2010 | |
| 59. | IS 7222:1974 | Specification for engineers' ratchet braces | Oct 2008 | |
| 60. | IS 7958:1976 | Specification for hand vices | Oct 2008 | |
| 61. | IS 8177:1976 | Specification for pin vices | Oct 2008 | |
| 62. | IS 8202:1999 | Carpenters' wooden bodied planes – Specification (<i>first revision</i>) | June 2010 | |
| 63. | IS 8671:1977 | Specification for nail puller | Oct 2008 | |
| 64. | IS 8673:1977 | Specification for farrier's chisels with handle | Oct 2008 | |
| 65. | IS 9064:1979 | Specification for copper hammers | Jan 2011 | |
| 66. | IS 9065:1979 | Specification for Aluminium hammers | June 2010 | 1 |
| 67. | IS 9181:1988 | Specification for C-clamps (<i>first revision</i>) | Oct 2008 | |
| 68. | IS 9193:1988 | Specification for bearing pullers (<i>first revision</i>) | Oct 2008 | |
| 69. | IS 10375:1982 | Specification for poker | June 2010 | 1 |
| 70. | IS 10826:1984 | Specification for pad saws | June 2010 | 1 |
| 71. | IS 10827:1984 | Specification for roving punches | June 2010 | 1 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------|-----------------------|---|-----------------|--------------------------|
| 72. | IS 10838:1984 | Specification for nylon faced hammers | June 2010 | 1 |
| 73. | IS 10839:1984 | Specification for jeweller's saw | June 2010 | 1 |
| 74. | IS 10860:1984 | Specification for carpenters' wooden bodied bead planes | June 2010 | 1 |
| 75. | IS 10883:1984 | Specification for single wheel type pipe cutters | June 2010 | 1 |
| 76. | IS 10886:1984 | Specification for carpenters' vice | June 2010 | 1 |
| 77. | IS 11250:1985 | Specification for bow saw frames | Jan 2011 | |
| 78. | IS 11251:1985 | Specification for bow saw blades | Jan 2011 | |
| 79. | IS 11381:1985 | Specification for extractor, cotton pin | June 2010 | 1 |
| 80. | IS 11458:1985 | Specification for parallel clamps | June 2010 | 1 |
| 81. | IS 11828:1987 | Specification for miniature hand hacksaw frames | Feb 2008 | |
| 82. | IS 11940:1987 | Specification for hide faced hammers | Feb 2008 | |
| 83. | IS 11941:1987 | Specification for hand burnishers | June 2010 | 1 |
| 84. | IS 12127:1987 | Specification for two-men cross cut saws | June 2010 | |
| 85. | IS 12128:1987 | Specification for reversible handles for cross cut saws | June 2010 | |
| 86. | IS12412:1988 | Specification for setting iron for two-men cross cut saws | June 2010 | |
| 87. | IS 12413:1988 | Specification for wooden jointer for two-men cross cut saws | June 2010 | |
| 88. | IS 12515:1988 | Wooden setting cat for two-men cross cut saws | June 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---------------------------------|--|-----------|-------------------|
| 89. | IS 12522:1988 | Specification for rubber mallets | Oct 2008 | |
| 90. | IS 12578:1989 | Watch maker's hammer, flat face – Specification | June 2010 | |
| 91. | IS 12858:1989 | Belt punches for conveyor belt fasteners (Plate type) - Specification | June 2010 | |
| 92. | IS 13040:1991 | Dolly blocks for use in steel body repairs – General requirements | Jan 2011 | |
| 93. | IS 13093:2002 | Sheet metal body repair steel hammers – General requirements (<i>first revision</i>) | June 2010 | |
| 94. | IS 13189:1991 | Lead hammers - Specification | Feb 2008 | |
| 95. | IS 13345:1992 | Carpenter's bevels - Specification | Feb 2008 | |
| 96. | IS 15385:2003 /ISO 2726:1995 | Woodworking tools – metal-bodied bench planes, plane cutters and cap irons | June 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

PG 07 INDUSTRIAL ENGINEERING SECTIONAL COMMITTEE

SCOPE: Formulation of Indian Standards in the field of Industrial Engineering such as Value engineering, Reverse engineering, Method Study, Time & motion study and material management, Process planning and control.

PG 08 PNEUMATIC TOOLS SECTIONAL COMMITTEE

SCOPE: a) Standardization in the field of portable type pneumatic tools and accessories
 b) Co-ordination of work with:
 i) ISO/TC 118/SC 3 Pneumatic tools and machines

CORRESPONDING ISO COMMITTEE:
 ISO/TC 118/SC 3 Pneumatic tools and Machines

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|--------------------------------|---|-----------------|--------------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 5441:1986 | Portable pneumatic drilling machines <i>(first revision)</i> | Dec 2006 | |
| 2. | IS 6572:1987 ISO 1180:1983 | Dimensions for pneumatic light rivet snap shanks and its chuck bushings <i>(first revision)</i> | Dec 2006 | |
| 3. | IS 6573:1987 ISO 1180:1983 | Dimensions for pneumatic coal pick shanks and chuck bushings <i>(first revision)</i> | Dec 2006 | |
| 4. | IS 6574:1987 ISO 1180:1983 | Dimensions for pneumatic rivet snap shanks parallel and chuck bushings <i>(first revision)</i> | Dec 2006 | |
| 5. | IS 6575:1987 ISO 1180:1983 | Dimensions for pneumatic breaker and spade shanks and its chuck bushings <i>(first revision)</i> | Dec 2006 | |
| 6. | IS 7157:1987 | Portable pneumatic grinding machines <i>(first revision)</i> | Dec 2006 | |
| 7. | IS 7446:1987 ISO 1180:1983 | Dimensions for chisel shanks and chuck bushings for pneumatic chippers <i>(first revision)</i> | Dec 2006 | |
| 8. | IS 7456:1994 ISO 723:1991 | Rock drill shanks and chuck bushings – Dimensions <i>(first revision)</i> | Mar 2009 | |
| 9. | IS 7605:1986 | Portable pneumatic chippers <i>(first revision)</i> | Mar 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
 / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--------------------------------|---|----------|-------------------|
| 10. | IS 7868:1975 ISO 1717:1974 | Rotary drill rods for drilling principally in coal | Dec 2006 | |
| 11. | IS 7913:1975 ISO 721:1974 | Integral stems for percussive drilling | Dec 2006 | 2 |
| 12. | IS 7978:1984 | Portable pneumatic rivet cutters (<i>first revision</i>) | Mar 2010 | |
| 13. | IS 7979:1984 | Portable pneumatic riveting hammers (<i>first revision</i>) | Mar 2010 | |
| 14. | IS 7995:1994 ISO 1180:1983 | Pneumatic concrete breaker shanks – Dimensions (<i>first revision</i>) | Mar 2009 | |
| 15. | IS 8067:1986 | Portable pneumatic impact wrenches (<i>first revision</i>) | Dec 2006 | |
| 16. | IS 8486:1977 | Code of practice for maintenance of tungsten carbide tipped integral stems | Mar 2010 | |
| 17. | IS 9419:1993 | Pusher legs – Specification (<i>first revision</i>) | Oct 2008 | |
| 18. | IS 9707:1994 | Pneumatic screw drivers and nut runners (Non impact type) (<i>first revision</i>) | Mar 2009 | |
| 19. | IS 9828:2001 | Portable pneumatic sanders (<i>first revision</i>) | Dec 2006 | |
| 20. | IS 10749:1983 | Swivel head nut for screw type mounts in pusher legs | Mar 2010 | |
| 21. | IS 11183:1984 | Portable pneumatic rammers | Dec 2006 | |
| 22. | IS 11609:1986 | Technical supply conditions for pneumatic tools | Dec 2006 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|----------------------------------|--|----------------------|-------------------|
| 23. | IS 11702(Pt 1): 1986 | Measurement of airborne noise emitted by pneumatic tools and machines – Part 1: Engineering method for determination of sound power levels | Aug 2005 | |
| 24. | IS 11702(Pt 2): 1986 | Measurement of airborne noise emitted by pneumatic tools and machines – Part 2: Method for checking compliance with noise limits | Aug 2005 | |
| 25. | IS 12158:1987 | Dimensions for shanks of punches and chisels and its chuck bushing for pneumatic rivet cutter | Dec 2006 | |
| 26. | IS 12520:1988 ISO 5941:1979 | Recommendations for preferred pressures for pneumatic tools and machines | Oct 2008 | |
| 27. | IS 12523:1988 ISO 1180:1983 | Dimensions for piston rods and butts for pneumatic rammer tools | Oct 2008 | |
| 28. | IS 12531:1988 ISO 1180:1983 | Dimensions for weld flux scalers shanks and nozzle holes | Oct 2008 Oct 2008 | |
| 29. | IS 12563:2001 /ISO 2787:1984 | Rotary and percussive pneumatic tools – Performance test (<i>first revision</i>) | Dec 2006 | |
| 30. | IS 12849:1989 /ISO 5391:1988 | Pneumatic tools and machines - Vocabulary | Mar 2009 | |
| 31. | IS 13078:1991 | Pneumatic hose couplings | Dec 2006 | |
| 32. | IS 14368:1996 | Portable pneumatic weld flux scalers | Dec 2006 | |
| 33. | IS 15065:2001 | Carbide tips for use in integral stems for percussive drilling – Specification. | Dec 2006 | |
| 34. | IS 15411: 2003 /ISO 5393:1994 | Rotary tools for threaded fasteners – Performance test method | | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

PG 09 ABRASIVES SECTIONAL COMMITTEE

- SCOPE:** a) Standardization in the field of coated abrasives, grinding wheels and diamond/cubic boron nitride abrasive tools
 b) Coordination of work with:
 i) ISO/TC 29/SC 5 Grinding wheels, abrasives

CORRESPONDING ISO COMMITTEE(S):
 ISO/TC 29/SC 5 Grinding Wheels, Abrasives

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|-----------------------|--|-----------------|--------------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | * IS 551:1989 | Bonded abrasive products (Other than diamond/cubic boron nitride) marking system (<i>second revision</i>) | Jan 2010 | |
| 2. | IS 715:2002 | Coated abrasive – Specification (<i>fourth revision</i>) | July 2007 | 1 |
| 3. | IS 1004:1980 | Specification for valve grinding compound (<i>first revision</i>) | Dec 2006 | 1 |
| 4. | IS 1249:1997 | Recommendations for selection of grinding wheels (<i>second revision</i>) | Nov 2007 | |
| 5. | * IS 1262:1979 | Specification for Abrasive specialties (<i>first revision</i>) | Mar 2010 | |
| 6. | IS 1991(Pt 1):1987 | Safety requirements for the use, care and protection of abrasive grinding wheels – Part 1: Definitions (<i>second revision</i>) | Sep 2007 | |
| 7. | IS 1991(Pt 2):1987 | Safety requirements for the use, care and protection of abrasive grinding wheels – Part 2: Handling and storage (<i>second revision</i>) | Sep 2007 | |
| 8. | IS 1991(Pt 3):1987 | Safety requirements for the use, care and protection of abrasive grinding wheels – Part 3: General machine requirements (<i>second revision</i>) | Sep 2007 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|--------|----------------------|---|----------|-------------------|
| 9. | IS 1991(Pt 4):1988 | Safety requirements for the use, care and protection of abrasive grinding wheels – Part 4: Safety guards (<i>second revision</i>) | Aug 2008 | |
| 10. | IS 1991(Pt 5):1987 | Safety requirements for the use, care and protection of abrasive grinding wheels – Part 5: Flanges (<i>second revision</i>) | Sep 2007 | |
| 11. | IS 1991(Pt 6):1987 | Safety requirements for the use, care and protection of abrasive grinding wheels – Part 6: Inspection and mounting (<i>second revision</i>) | Sep 2007 | |
| 12. | IS 1991(Pt 7):1987 | Safety requirements for the use, care and protection of abrasive grinding wheels – Part 7: Standard speeds (<i>second revision</i>) | Sep 2007 | |
| 13. | IS 1991(Pt 8):1987 | Safety requirements for the use, care and protection of abrasive grinding wheels – Part 8: Special speeds (<i>second revision</i>) | Sep 2007 | |
| 14. | IS 1991(Pt 9):1987 | Safety requirements for the use, care and protection of abrasive grinding wheels – Part 9: General operating rules (<i>second revision</i>) | Sep 2007 | |
| 15. | IS 1991(Pt 10):1987 | Safety requirements for the use, care and protection of abrasive grinding wheels – Part 10: Mounted wheels (<i>second revision</i>) | Sep 2007 | |
| 16. | IS 2324(Pt 1):1985 | Bonded abrasive grinding wheels – Part 1: Profiles and types (<i>second revision</i>) | Jan 2010 | 2 |
| 17. | * IS 2324(Pt 2):1985 | Bonded abrasive grinding wheels – Part 2: Dimensions (<i>second revision</i>) | Jan 2010 | 1 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|----------------------------------|---|----------|-------------------|
| 18. | IS 2794:1979 | Specification for Truing /Dressing tools single diamond (<i>first revision</i>) | Dec 2006 | |
| 19. | IS 2817:1965 | Methods for sampling of coated abrasives | Aug 2008 | |
| 20. | IS 3178:1996 | Abrasive emery grain(<i>first revision</i>) | Dec 2006 | |
| 21. | IS 3264:1985 | Specification for diamond or cubic boron nitride abrasive grinding wheels (<i>first revision</i>) | Jan 2006 | 1 |
| 22. | IS 3300:1980 | Dimensions for mounted wheel and points (<i>first revision</i>) | Dec 2006 | |
| 23. | * IS 3755:1966 | Specification for Emery fillets | Aug 2008 | |
| 24. | IS 5201:1969 | Methods for sampling of abrasive emery grain | Aug 2008 | |
| 25. | IS 5319:1987 | Specification for Commercial steel wool (<i>first revision</i>) | Sep 2007 | |
| 26. | * IS 8915:1978 ISO 2933:1974 | Dimensions for depressed centre wheels Type 27 | Aug 2008 | |
| 27. | * IS 9291:1979 | Dimensions for internal grinding wheels | Mar 2010 | |
| 28. | IS 10489:1983 | Specification for Steel dresser for abrasive wheels | Aug 2009 | |
| 29. | IS 10519:1983 | Specification for Diamond abrasive circular segmental saws | Aug 2008 | |
| 30. | IS 10960(Pt 1):1984 | Grain sizes for diamond or cubic boron nitride – Part 1: Designation and grain sizes distribution | Jan 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--------------------------------|---|----------|-------------------|
| 31. | IS 10960(Pt 2):1984 | Grain sizes for diamond or cubic boron nitride – Part 2: Method of test of macro grits | Jan 2010 | |
| 32. | * IS 10986:1984 /ISO 6104:1979 | General survey, designation and nomenclature of diamond or cubic boron nitride grinding wheels and saws | Jan 2010 | |
| 33. | IS 11026:1984 | Specification for Razor hones | Jan 2010 | |
| 34. | IS 11643 : 1985 | Silicon carbide for bonded abrasive products | 2006 | 1 |
| 35. | IS 12057:1987 /ISO 3920:1976 | Dimensions for honing stones | Sep 2007 | |
| 36. | IS 12099:1987 | Specification for Triangular polishing blocks for use in floor polishing machines | Sep 2007 | |
| 37. | IS 12686:1989 | Abrasives – Diamond or cubic boron nitride micron powder sizes - Testing | Jan 2010 | |
| 38. | * IS 13068:1991 /ISO 6103:1986 | Bonded abrasive products – Static balancing of grinding wheels - Testing | Dec 2006 | |
| 39. | IS 13520:1992 | Diamond abrasive frame saw blades | Oct 2007 | |
| 40. | IS 13521:1992 | Marking systems of diamond/cubic boron nitride abrasive products | Sep 2007 | |
| 41. | * IS 13564:1993 | Recommendations for selection of diamond and cubic boron nitride grinding wheels | Mar 2008 | |
| 42. | IS 13596:1993 | Dimensional tolerances on grinding wheels | Mar 2008 | |
| 43. | IS 13998:1994 | Multi point diamond impregnted dressing tool- specification | Jan 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---|---|----------|-------------------|
| 44. | IS 14369:1996 | Abrasive belts –Designation, Dimensions and tolerances selection of width/length combinations | May 2006 | |
| 45. | IS 14370:1996 | Determination of magnetic matter in artificial abrasives – Test methods | May 2006 | 1 |
| 46. | * IS 14992:2001 /ISO 3919:1993 | Coated abrasives – Flap wheels with shafts – Dimensions and designation | Aug 2006 | |
| 47. | IS 15066:2001 | Coated abrasive – Flap wheels with incorporated flanges or separate flanges – designation and dimensions | Dec 2006 | |
| 48. | IS 15287(Part 1): 2003 /ISO 6344-1:1998 | Coated abrasives – Grain size analysis – Part 1: Grain size distribution test | Mar 2008 | |
| 49. | IS 15287(Part 2):2003 /ISO 6344-2:1998 | Coated abrasive – Grain Size Analysis – Part 2: Determination of grain size distribution of macrogrits P12 to P 220 | Jan 2008 | |
| 50. | IS 15287(Part 3): 2003 /ISO 6344-3:1998 | Coated abrasive – Grain Size Analysis – part 3: Determination of grain size distribution of macrogrits P240 to P 2500 | Feb 2008 | |
| 51. | IS 15288(Part 1): 2003 /ISO 8486-1:1996 | Bonded Abrasives – Determination and designation of grain size distribution – Part 1: Macrogrits F4 to F220 | Feb 2008 | |
| 52. | IS 15288(Part 2): 2003 /ISO 8486-2:1996 | Bonded Abrasives – Determination and designation of grain size distribution – Part 2 Microgrits F230 to F 1200. | Feb 2008 | |
| 53. | * IS 15289:2003 /ISO 9136:1989 | Abrasives macrograins – Determination of bulk density. | Feb 2008 | |
| 54. | IS 15290:2003 /ISO 9138:1993 | Abrasives grain – Sampling and Splitting. | Mar 2008 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|------------------------------------|---|----------|-------------------|
| 55. | * IS 15297:2003 /ISO 6103:1989 | Bonded abrasive products – Permissible unbalances of grinding wheels as delivered – Testing | Feb 2008 | 1 |
| 56. | * IS 15299:2002 /ISO 666:1996 | Machine tools – Mounting of Plain grinding wheels by means of hub flanges | Dec 2007 | |
| 57. | * IS 15425: 2004 /ISO 9137:1990 | Abrasive grains-Determination of capillarity | Jan 2010 | |
| 58. | IS 15538: 2005 /ISO 9284:1992 | Abrasive grains-Test sieving machine | Jan 2010 | |
| 59. | IS 15555: 2005 /ISO 3310-3:1999 | Test sieves-Technical requirements and testing-Test sieves of electroformed sheets | Jan 2010 | |

DRAFT STANDARDS UNDER PRINTING

| | |
|-------------|--|
| PG 09(1067) | Coated abrasives – Flap discs |
| PG 09(1068) | Coated abrasives – Plain sheets |
| PG 09(1069) | Coated abrasives – Plain sheets with holes for dust extraction |
| PG 09(1070) | Coated abrasives – Plain discs |
| PG 09(1071) | Coated abrasives- Plain discs with holes for dust extraction |

DRAFT STANDARDS COMPLETED WIDE CIRCULATION

| | |
|-------------|---|
| PG 09(1024) | Bonded abrasive products – Dimensions - Part 1: Grinding wheels for external cylindrical grinding between centers [third revision of IS 2324 (Part 1):1985] |
| PG 09(1025) | Bonded abrasive products – Dimensions - Part 2: Grinding wheels for centreless external cylindrical grinding [third revision of IS 2324 (Part 2):1985] |
| PG 09(1026) | Bonded abrasive products – Limit deviations and run-out tolerances |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

PG 13 BEARINGS SECTIONAL COMMITTEE

SCOPE: a) Formulation of standards for rolling element bearings and hydromechanic bearing (including plain, thrust bush bimetallic, hydrostatic bearing and hydro dynamic bearings etc.)

- b) Co-ordination of work with:
- i) ISO/TC 4 Rolling bearings
 - ii) ISO/TC 123 Plain bearings

CORRESPONDING ISO COMMITTEE(S):

ISO/TC 4 Rolling Bearings
 ISO/TC 4/SC 9 Tapered rolling bearings
 ISO/TC 123 Plain bearings
 ISO/TC 123/SC 6 Plain bearings – Terms and common items

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|----------------------------|------------------------------------|--|-----------|------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | ** IS 2398:1967 | Identification code for rolling bearings | Mar 2011 | |
| 2. | IS 2399:2002 /ISO 5593:1997 | Rolling bearings – Vocabulary (<i>second revision</i>) | Nov 2007 | |
| 3. | ** IS 2898:1976 ISO 3290: 1975 | Steel balls for rolling bearings (<i>first revision</i>) | Sep 2006 | 1 |
| 4. | IS 3090:1965 | Code of practice for installation and maintenance of rolling bearings | Mar 2011 | |
| 5. | ** IS 3823:1988 /ISO 76:1987 | Rolling bearings – Static load ratings (<i>second revision</i>) | Mar 2009 | |
| 6. | ** IS 3824:2002 /ISO 281:1990 | Rolling bearing - Dynamic load ratings and Rating life (<i>second revision</i>) | July 2007 | |
| 7. | IS 3980:1982 | Specification for Porous metal powder oil impregnated bearings (<i>first revision</i>) | Jan 2011 | 1 |
| 8. | IS 4025:2006 | Gauging practice for rolling bearings (<i>second revision</i>) | Feb 2011 | |
| 9. | IS 4215:1983 | Specification for Needle bearings (<i>first revision</i>) | Mar 2011 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
 / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL No | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|-------|--|---|-----------|------------------|
| 10. | IS 4216:1981 | Specification for Needle cages (<i>first revision</i>) | Sep 2006 | |
| 11. | IS 4217:1981 | Specification for Needle rollers (<i>first revision</i>) | Sep 2006 | 2 |
| 12. | IS 4757:1980 ISO 3547:1976 | Specification for Wrapped bushes (<i>first revision</i>) | Jan 2011 | |
| 13. | ** IS 4773:2002 /ISO 113:1994 | Rolling bearings- Plummer block housings- Boundary Dimensions (<i>first revision</i>) | July 2007 | |
| 14. | IS 4774(Pt 1):1982 ISO 3548: 1978 | Thin walled half bearing – Part 1: Plain bearings (<i>first revision</i>) | Jan 2011 | 1 |
| 15. | IS 4774(Pt 2):1982 | Thin walled half bearing – Part 2: Flanged bearings (<i>first revision</i>) | Jan 2011 | 1 |
| 16. | IS 5669:1987 /ISO 15:1981 | General plan of boundary dimensions for radial rolling bearings (<i>first revision</i>) | Sep 2006 | 1 |
| 17. | ** IS 5692:1988 ISO 492:1996 | Tolerances for radial rolling bearings (<i>first revision</i>) | Mar 2009 | |
| 18. | ** IS 5932:1999 /ISO 104:1999 | Rolling bearings – Thrust ball bearings – Boundary dimensions, general plan (<i>first revision</i>) | Oct 2009 | |
| 19. | ** IS 5933:2002 /ISO 199:1997 | Rolling bearings – Thrust ball bearings – Tolerances (<i>second revision</i>) | Oct 2007 | |
| 20. | IS 5934:1999 /ISO 582:1979 | Rolling bearing – Chamfer dimensions – Maximum values – Specification (<i>first revision</i>) | Jan 2011 | |
| 21. | IS 5935:1992 | Radial internal clearances in unloaded radial rolling bearings (<i>first revision</i>) | Mar 2010 | 1 |
| 22. | IS 6453:1984 | Technical supply conditions for rolling bearings (<i>first revision</i>) | Mar 2011 | 1 |
| 23. | IS 6454:1972 | Specification for Self aligning roller bearings | Sep 2006 | 1 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL No | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|-------|---------------------------------------|--|----------|------------------|
| 24. | IS 6455:1972 | Specification for Single row radial ball bearings | Sep 2006 | 1 |
| 25. | IS 6456:1972 | Specification for Double row radial ball bearings | Sep 2006 | 1 |
| 26. | IS 6457:1972 | Specification for Single row cylindrical roller bearings | Sep 2006 | 1 |
| 27. | IS 6458:1972 | Specification for Double row cylindrical roller bearings | Sep 2006 | 1 |
| 28. | ** IS 6548:1992 /ISO 1224:1984 | Rolling bearings – Instrument precision bearings (<i>first revision</i>) | Mar 2009 | |
| 29. | ** IS 6731:1977 ISO 2982: 1972 | Specification for Locknuts, narrow series and lockwashers with straight inner tab for rolling bearings (<i>first revision</i>) | Mar 2011 | |
| 30. | ** IS 7460:1988 ISO 492:1986 | Tolerances for tapered roller bearings (<i>first revision</i>) | Mar 2009 | |
| 31. | IS 7461(Pt 1):1993 ISO 355:1977 | General plan of boundary dimensions for tapered roller bearings – Part 1: Single row bearings (<i>second revision</i>) | Mar 2009 | |
| 32. | IS 7461(Pt 2):1992 ISO 355:1977 | General plan of boundary dimensions for tapered roller bearings – Part 2: Double row bearings (<i>second revision</i>) | Mar 2009 | |
| 33. | IS 7461(Pt 3):1992 ISO 355:1977 | General plan of boundary dimensions for tapered roller bearings – Part 3: Flanged cups (<i>second revision</i>) | Mar 2009 | |
| 34. | ** IS 8656:1977 ISO/ R 113: 1969 | Specification for Tapered adaptor sleeves for rolling bearings | Sep 2006 | |
| 35. | ** IS 8657:1977 ISO/ R 113: 1969 | Specification for Tapered withdrawal sleeves for rolling bearings | Sep 2006 | 1 |
| 36. | IS 9202:1979 | Specification for Cylindrical rollers | Sep 2006 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL No | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|-------|--|---|-----------|------------------|
| 37. | IS 9619:1980 | Identification code for shell type needle bearings (included sealed bearings) | Sep 2006 | |
| 38. | IS 9764(Pt 1):1992 ISO 6525:1983 | Plain bearings – Washers for plain bearings and wrapped bushes – Specification – Part 1: Ring type thrust washers (<i>first revision</i>) | Dec 2006 | |
| 39. | ** IS 9764(Pt 2):1994 ISO 6526:1983 | Plain bearings – Washers for plain bearings and wrapped bushes – Specification – Part 1: Half thrust washers | Oct 2009 | |
| 40. | IS 10203:1982 | Technical supply conditions for thin walled plain bearings | Dec 2006 | |
| 41. | ** IS 10260(Pt 1): 1982 ISO/DIS 4378-1 | Terms, definitions and classification of plain bearings – Part 1: Construction | Jan 2011 | |
| 42. | ** IS 10260(Pt 2):1982 ISO/DIS 4378-2 | Terms, definitions and classification of plain bearings – Part 2: Friction and wear | Jan 2011 | |
| 43. | ** IS 10260(Pt 3): 1982 ISO/DIS 4378-3 | Terms, definitions and classification of plain bearings – Part 3: Lubrication | Jan 2011 | |
| 44. | IS 10648:1983 | Code for identification of ring type needle bearings (included sealed bearings) | Mar 2011 | |
| 45. | ** IS 11027:1984 /ISO 1132:1980 | Definitions of tolerances for rolling bearings | Mar 2011 | |
| 46. | IS 11145:2002 /ISO 6524:1992 | Plain bearings– Thin- walled half-bearings – Checking of peripheral length (<i>first revision</i>) | July 2007 | |
| 47. | IS 11904:1999 /ISO 464:1976 | Rolling bearings – Radial bearings snap ring – Dimensions and tolerances – Specification (<i>first revision</i>) | Oct 2009 | |
| 48. | IS 12102:1987 | Tapered roller bearings | Sep 2006 | |
| 49. | ** IS 13405:1999 /ISO 246:1995 | Rolling bearings – Cylindrical rollers bearings, separate thrust collars boundary dimensions - Specification | Oct 2009 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL No | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|-------|--|--|-----------|------------------|
| 50. | ** IS 13406:1992 /ISO 8443:1985 | Radial ball bearings with flanged outer ring – Flange dimensions | Mar 2009 | |
| 51. | ** IS 13962:1994 /ISO 10317:1992 | Rolling bearings – Metric tapered roller bearings – Designation system | May 2009 | |
| 52. | ** IS 14347:1996 | Plumber block housing – Specification | June 2006 | |
| 53. | IS 14478:1997 | Plain bearings – Thick walled bushes plain and flanged type full round (without any joint or slit) – Specification | Sep 2007 | |
| 54. | IS 14691:1999 | Rolling bearings – Tape rolling bearings – Tapered roller – Metric series – Specification (<i>first revision</i>) | Oct 2009 | |
| 55. | IS 14802(Pt 1):2000 /ISO 4384-1:1982 | Plain bearings – Hardness testing of bearing metals – Part 1: Compound materials | Jan 2011 | |
| 56. | IS 14802(Pt 2):2000 /ISO 4384-2:1982 | Plain bearings – Hardness testing of bearing metals – Part 2: Solid materials | Jan 2011 | |
| 57. | IS 14803(Pt 1):2000 /ISO 12129-1:1995 | Plain bearings – Part 1: Fits | Jan 2011 | |
| 58. | IS 14803(Pt 2):2000 /ISO 12129-2:1995 | Plain bearings – Part 2: Tolerances on form and position and surface roughness for shafts, flanges and thrust collars | Jan 2011 | |
| 59. | IS 15620 : 2005 /ISO 4383 : 2000 | Plain bearings –Multiplayer materials for thin walled plain bearings | Jan 2011 | |
| 60. | IS 15624 : 2005 /ISO 6691 : 2000 | Plain bearings – Thermoplastic polymers for plain bearings – Classification and designation | Jan 2011 | |
| 61. | IS 15625 : 2005 /ISO 12128 : 2001 | Plain bearings – Lubrication holes, grooves and pockets – Dimensions, type and designation and their application to bearing bushes | Jan 2011 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

DRAFT STANDARDS COMPLETED WIDE CIRCULATION

DOC:PG 13/31/MGP 36(0350) Plain bearings – Thin walled half bearings with or without flange –
(Document presently Withheld Tolerances, design features and method of test
by the Committee)

DOC:PG 13/31/ MGP 36 (0351) Plain bearings – Lead and tin coating alloys for multiplayer plain bearing

DOC: PG 13/ BP 32/ (0534) Specification for Cylindrical Rollers (*first revision of IS 9202*)

DRAFT STANDARDS COMPLETED PRELIMINARY DRAFT STAGE

DOC: PG 13 (1190) Rolling bearings – Accessories – Part 1: Tapered sleeves –
Dimensions(*first revision of IS 8656*)

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

**PG 14 CONSUMER PRODUCTS AND ALLIED EQUIPMENTS SECTIONAL
COMMITTEE**

SCOPE : Standardization in the field of “All types of

- a) Fasteners for Consumer Goods;
- b) Hair Cutting, Shaving and Shearing Equipment;
- c) Umbrella’s & its Components, and
- d) Miscellaneous Consumer Products not covered under any other Committee”.

CORRESPONDING ISO COMMITTEE(S): NIL

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMEND MENT |
|----------------------------|-----------------------|--|-----------------|----------------------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 888:1983 | Specification for Hollow-ground razors, open type (<i>second revision</i>) | Dec 2010 | |
| 2. | IS 989:1982 | Specification for Scissors for general purposes (<i>second revision</i>) | Dec 2010 | 1 |
| 3. | IS 2917:1981 | Specification for Umbrella ribs (<i>first revision</i>) | Nov 2004 | |
| 4. | IS 2918:1981 | Specification for Umbrella tubes, sticks and handles (<i>first revision</i>) | Nov 2004 | |
| 5. | IS 2919:1981 | Specification for Umbrella fittings (<i>first revision</i>) | Nov 2004 | |
| 6. | IS 2920:1981 | Umbrellas (<i>first revision</i>) | Nov 2004 | |
| 7. | IS 3148:1991 | Slide fasteners (general purpose) (<i>fourth revision</i>) | Jan 2007 | |
| 8. | IS 3743:1966 | Specification for Hair clippers (hand-operated) | July 2008 | 3 |
| 9. | IS 4066:1967 | Specification for Metal hooks, clips and eyes | July 2008 | |
| 10. | IS 4084:1978 | Specification for Eyelets and washers (sail) (<i>first revision</i>) | Jan 2007 | 2 |
| 11. | IS 4108:1984 | Specification for Snap fasteners for dresses (<i>first revision</i>) | Jan 2007 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL · N O. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMEND MENT |
|--------------------|----------------|---|-----------|-------------------------|
| 12. | IS 4274:1981 | Specification for Buckles (<i>first revision</i>) | Jan 2007 | |
| 13. | IS 4741:1968 | Specification for Snap fasteners (four pieces) (<i>first revision</i>) | July 2008 | 1 |
| 14. | IS 4798:1968 | Specification for Safety pins | July 2008 | |
| 15. | IS 5041:1978 | Specification for Footwear and stationery eyelets (<i>first revision</i>) | Jan 2007 | 2 |
| 16. | IS 5048:1969 | Specification for Equipment fasteners (Web equipment pattern) | July 2008 | 1 |
| 17. | IS 5348:1981 | Specification for Staples (<i>first revision</i>) | Jan 2007 | 1 |
| 18. | IS 5349:1969 | Specification for Staplers | Dec 2010 | 1 |
| 19. | IS 5650:1988 | Specification for Clips, paper (<i>first revision</i>) | Dec 2010 | |
| 20. | IS 5653:1988 | Specification for Pins, paper, straight (<i>first revision</i>) | Dec 2010 | |
| 21. | IS 6021:1978 | Specification for Web-equipment and 6.6 mm eyelets, rim painted with or without washers (<i>first revision</i>) | Jan 2007 | 1 |
| 22. | IS 6321:1971 | Specification for Needles, hand sewing | July 2008 | 1 |
| 23. | IS 6421:1972 | Specification for Perforators, paper, double hole | July 2008 | 1 |
| 24. | IS 6422:1972 | Specification for Perforator, paper, single hole (Docket punch) | July 2008 | |
| 25. | IS 7370:1974 | Specification for Razors, safety (Hindi – English) | July 2008 | 3 |
| 26. | IS 7371:1982 | Specification for Stainless steel safety razor blades (<i>second revision</i>) | Jan 2007 | 4 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL No | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|-------|--------------------|--|----------|------------------|
| 27. | IS 7671:1975 | Specification for Fastener, file, flexible-prong type | Dec 2010 | |
| 28. | IS 7672:1975 | Specification for Fastener, file, loose-leaf, ring type | Dec 2010 | |
| 29. * | IS 8156:1994 | Fasteners for consumer goods – Synthetic hook and loop tape - Specification (<i>second revision</i>) | Dec 2010 | |
| 30. | IS 8227(Pt 1):1988 | Specification for Fasteners, arch and clip for files Part 1 Arch fasteners (<i>first revision</i>) | Dec 2010 | 1 |
| 31. | IS 8227(Pt 2):1988 | Specification for Fasteners, arch and clip for files Part 2 Clip fasteners (<i>first revision</i>) | Dec 2010 | 1 |
| 32. | IS 8231:1976 | Specification for Clips, paper, spring type | Dec 2010 | |
| 33. | IS 8247:1976 | Specification for Fastener, paper, prong type, with washer | Dec 2010 | |
| 34. | IS 8499:1988 | Specification for Tags for files (<i>first revision</i>) | Dec 2010 | |
| 35. | IS 8738:1978 | Specification for Parachute buckles, D-shaped | Jan 2007 | |
| 36. | IS 8739:1978 | Specification for Adaptor, adjustable, buckle waist | Jan 2007 | |
| 37. | IS 8740:1978 | Specification for Buckles, pack, outer, PTRM | Jan 2007 | |
| 38. | IS 8741:1978 | Specification for Connecting lug, quick release, adjustable, PTRM | Jan 2007 | |
| 39. | IS 8742:1978 | Specification for Adaptor, main, PTRM | Jan 2007 | |
| 40. | IS 9547:1980 | Specification for Snap hook, with safety device (PTR-R) | Jan 2007 | |
| 41. | IS 9548:1980 | Specification for Snap hook (Static line) | Jan 2007 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|------------------------|--|-----------|------------------|
| 42. | IS 9719:1981 | Specification for Button, press, lift the dot, cloth to metal | Jan 2007 | |
| 43. | IS 9720:1981 | Specification for Button, press, lift the dot, cloth to wood | Jan 2007 | |
| 44. | IS 9721:1981 | Specification for Button, press, lift the dot, cloth to cloth | Jan 2007 | |
| 45. | IS 9748:1981 | Specification for Metallic slide fasteners (for aviation purposes) | Jan 2007 | |
| 46. | IS 10198: 1982 | Specification for Carbon steel, safety razor blades | Dec 2010 | 2 |
| 47. | IS 10675: 1981 | Umbrella ribs, folding, manual | Nov 2004 | |
| 48. | IS 10844: 1984 | Glossary of terms relating to slide fasteners | Jan 2007 | |
| 49. | IS 13031: 1990 | Shaving systems – Twin blades cartridges – Specification | Jan 2007 | 2 |
| 50. | IS 13777: 1993 | Shaving systems – Twin blade razor handles – Specification | July 2008 | |
| 51. | IS 13973: 1994 | Shaving systems – Disposable razors – Specification | Dec 2010 | |
| 52. | IS 14181(Part 1): 2002 | Synthetic (plastic) slide fasteners – Special purpose – Part 1: Specification, selection and ordering guideline of the product (<i>first revision</i>) | May 2007 | 2 |
| 53. | IS 14181(Part 2): 2002 | Synthetic (plastic) slide fasteners – Special purpose – Part 2: Test and measurement methods | May 2007 | |
| 54. | IS 14181(Part 3): 2002 | Synthetic (plastic) slide fasteners – Special purpose – Part 3: Test report formats | May 2007 | |
| 55. | IS 14232: 1995 | Shaving systems – Cases for barbers tools – Specification | Jan 2007 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

PG 15 ERGONOMICS SECCIONAL COMMITTEE

- SCOPE:** a) Standardization is the field of ergonomics including terminology, technology, methodology and human and other factors related to ergonomics common to all the sphere of life.
 b) Co-ordination of work with:
 i) ISO/TC 159 Ergonomics

CORRESPONDING ISO COMMITTEE(S):
 ISO/TC 159 “Ergonomics”

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|----------------------------|--|--|-----------------|-------------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 13214:1991 /ISO/DIS 7250 | Machine tools – Ergonomics Anthropometric Terminology | Dec 2006 | |
| 2. | IS 15257:2002 /ISO 1503: 1977 | Geometrical orientation and directions of movements | Dec 2009 | |
| 3. | IS 15836 (Part 1): 2008 /ISO 15534-1: 2000 | Ergonomics design for the safety of machinery Part1 Principles for determining the dimensions required for opening for whole body access into machinery. | | |
| 4. | IS 15836 (Part 2): 2008 /ISO 15534-2: 2000 | Ergonomics design for the safety of machinery Part2 Principles for determining the dimensions required for access opening | | |
| 5. | IS 15836 (Part 3): 2008 /ISO 15534-3: 2000 | Ergonomics design for the safety of machinery Part3 Anthropometric data | | |

DRAFT STANDARDS COMPLETED WIDE CIRCULATION

| | |
|-------------|--|
| PG 15(0547) | Basic Human Body Measurement for technological design |
| PG 15(0548) | Safety of machinery- Anthropometric requirement for the designs of work stations at machinery |
| PG 15(0549) | General requirements for Anthropometric data bases |
| PG 15(0551) | Principles for selecting and using test persons for testing Anthropometric aspects of industrial products and design |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
 / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

PG 16 FLUID POWER SECTIONAL COMMITTEE

SCOPE: a) Standardization in the field of terminology, classifications, symbols, fluid logic, and fluid properties, contamination control, components marking systems and identification codes, sealing devices and their related parameters; hydraulic components and their testing, maintenance and installations; pneumatic components and their testing, installation and maintenance.

b) Liaison with:

- i) ISO/TC 131 Fluid power systems
- ii) ISO/TC 131/SC 1 Terminology, and symbols
- iii) ISO/TC 131/SC 2 Pumps, motors and integral transmissions
- iv) ISO/TC 131/SC 3 Cylinders
- v) ISO/TC 131/SC 5 Control products and components
- vi) ISO/TC 131/SC 6 Contamination control
- vii) ISO/TC 131/SC 8 Product testing and
- viii) ISO/TC 131/SC 9 Installations and systems

CORRESPONDING ISO COMMITTEE(S):

ISO/TC 131 Fluid Power Systems,
ISO/TC 131/WG 1 Accumulators,
ISO/TC 131/SC 1 Terminology, Classification and Symbols,
ISO/TC 131/SC 1/ WG 1 Graphic Symbols,
ISO/TC 131/SC 1/ WG 2 Terminology,
ISO/TC 131/SC 1/ WG 3 Circuit diagrams,
ISO/TC 131/SC 6 Contamination control and
ISO/TC 131/SC 2 Pumps, Motors and Integral Transmissions
ISO/TC 131/SC 3 Cylinders,
ISO/TC 131/SC 3/WG 1 Hydraulic Cylinder Mounting Dimensions,
ISO/TC 131/SC 5 Control products and components
ISO/TC 131/SC 5/WG 2 Hydraulic Control Products,
ISO/TC 131/SC 5/WG 3 Pneumatic Control Products
ISO/TC 131/SC 8 “Product testing
ISO/TC 131/SC 8/WG 10 Method of test for electrohydraulic proportional control valves
ISO/TC 131/SC 8/WG 11 Pressure rating
ISO/TC 131/SC 8/WG 12 Electronically controlled hydraulic pumps
ISO/TC 131/SC 2 Pumps, Motors and Integral Transmissions,
ISO/TC 131/SC 3 Cylinders,
ISO/TC 131/SC 3/WG 2 Pneumatic Cylinders Mounting Dimensions
ISO/TC 131/SC 5 Control products and components
ISO/TC 131/SC 8 Product Testing
ISO/TC 131/SC 8/ WG 11 Pressure rating
ISO/TC 131/SC 9 Installation and systems
ISO/TC 131/SC 8/WG 1 Hydraulic component and system sound measurement
ISO/TC 131/SC 9/WG 1 Hydraulic system ISO/TC 131/SC 9/WG 2 “ Pneumatic Systems
and their Installations

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|------------------------|--|-----------|-------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS/ISO 3939:1977 | Fluid power systems and components – Multiple lip packing sets – Methods for measuring stack heights | Dec 2006 | |
| 2. | IS/ISO 4412-1:1991 | Hydraulic fluid power – Test code for the determination of airborne noise levels – Part 1: Pumps-Methods using a parallel-piped microphone array | Aug 2010 | |
| 3. | IS/ISO 4412-2:1991 | Hydraulic fluid power – Test code for the determination of airborne noise levels – Part 2: Motors | Aug 2010 | |
| 4. | IS/ISO 4412-3:1991 | Hydraulic fluid power – Test code for determination of air borne noise levels – Part 3: Pumps _ Method using a parallel-piped microphone array | Aug 2010 | |
| 5. | IS 5108:1969 | Recommendation on nominal rates of flow for oil hydraulic system elements | Aug 2007 | |
| 6. | IS 5109:1969 | Recommendation on nominal bores for oil hydraulic system elements | Aug 2007 | |
| 7. | IS/ISO 6547:1981 | Hydraulic fluid power – Cylinder – Piston seal housings incorporating bearing rings – Dimensions and tolerances | June 2010 | |
| 8. | IS/ISO 7425(Pt 1):1988 | Hydraulic fluid power – Housings for elastomer-energized, plastic faced seals – Dimensions and tolerances – Part 1: Piston and housings | June 2010 | |
| 9. | IS/ISO 7425(Pt 2):1989 | Hydraulic fluid power – Housings for elastomer-energized, plastic faced seals – Dimensions and tolerances – Part 2: Road seal housings | June 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---|---|-----------|-------------------|
| 10. | * IS 7513:1974 * ISO 1219:1976 | Graphical symbols for fluid power systems | Aug 2007 | 1 |
| 11. | IS 7513 (Pt 2):2002 /ISO 1219-2:1995 | Fluid power systems and components – Graphic symbols and circuit Diagrams – Part 2: Circuit Diagrams. | July 2007 | |
| 12. | IS 8208:2004 /ISO 3320:1987 | Fluid power systems and components – Cylinder bores and piston rod diameters – Metric series (<i>first revision</i>) | Mar 2010 | |
| 13. | * IS 8383:2000 * ISO 2942:1994 | Hydraulic fluid power – Filter elements – Verification of fabrication integrity and determination of the first bubble point (<i>first revision</i>) | Aug 2006 | |
| 14. | * IS 8384:1977 ISO 2941:1974 | Method of test for collapse/burst resistance of oil hydraulic filter elements | Dec 2006 | 1 |
| 15. | IS 8385:2005 ISO 2943:1998 | Hydraulic fluid power –Filter Elements – Verification of material compatibility with fluids (<i>first revision</i>) | Mar 2010 | |
| 16. | IS 8386:1977 ISO 3723:1976 | Method of test for end load rating of oil hydraulic filter elements | Dec 2006 | 1 |
| 17. | IS 8526:1994 ISO 7180:1986 | Sizes for bores and port threads for pneumatic fluid power cylinders – Recommendations (<i>first revision</i>) | July 2009 | |
| 18. | * IS 8532:2000 ISO 3724:1976 | Flow fatigue characteristics of oil hydraulic filter elements– Method of test (<i>first revision</i>) | Aug 2006 | |
| 19. | IS 9269:1990 ISO 3968:1981 | Evaluation of pressure drop versus flow characteristics of oil hydraulic filter elements and filters - Method of test (<i>first revision</i>) | Aug 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---|--|----------|-------------------|
| 20. | * IS 10069:1992 * /ISO 4409:1986 | Hydraulic fluid power – Positive displacement pumps, motors and integral transmission – Determination of steady state performance (<i>first revision</i>) | Dec 2006 | |
| 21. | IS 10129:2004 /ISO 3019-2:2001 | Hydraulic fluid power – Dimensions and identification code for mounting flanges and shaft ends of displacement pumps and motors (<i>second revision</i>) | Mar 2010 | |
| 22. | * IS 10143:1995 * /ISO 6431:1992 | Pneumatic fluid power – Single rod cylinder, 1000kpa (10 bar) series with detachable mountings, bores from 32mm to 320mm – Mounting dimensions (<i>first revision</i>) | Aug 2010 | |
| 23. | * IS 10187:2002 /ISO 4401:1994 | Hydraulic fluid power – Four –Port Directional control valves – Mounting surfaces (<i>first revision</i>) | Oct 2007 | |
| 24. | IS 10411:1983 /ISO 4393:1978 | Recommendations on nominal strokes for fluid power cylinder | Oct 2008 | |
| 25. | * IS 10416:1992 * /ISO 5598:1985 | Fluid power systems and components – Vocabulary (<i>first revision</i>) | Jan 2007 | |
| 26. | IS 10481:2002 /ISO 4413:1998 | Hydraulic fluid power – General rules relating to systems (<i>first revision</i>) | Oct 2007 | |
| 27. | * IS 10585:2002 * | Method of test for cylinders for oil hydraulic systems (<i>first revision</i>) | Dec 2006 | |
| 28. | IS 10983:1994 ISO 5597:1987 | Fluid power – Cylinders – Housing for piston and rod seals in reciprocating applications – Dimensions and tolerances – Recommendations (<i>first revision</i>) | May 2009 | |
| 29. | * IS 11003(Pt 1):2005 * /ISO 6020-1:1998 | Hydraulic fluid power – Mounting dimensions for single rod cylinders , 16 MPa (160 bar) series – Part 1: Medium series (<i>first revision</i>) | Mar 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--|--|-----------|-------------------|
| 30. | * * IS 11003(Pt 2):2000 /ISO 6020-2:1991 | Hydraulic fluid power - Mounting dimensions for single rod cylinders – 16Mpa (160 bar) series – Part 2: Compact series | Dec 2006 | |
| 31. | IS 11146:1999 /ISO 7181:1991 | Hydraulic fluid power – Cylinders – Bore and rod area ratios (<i>first revision</i>) | Jan 2009 | |
| 32. | IS 11147:1984 /ISO 4391:1983 | Recommendations for parameter definitions and letter symbols for hydraulic fluid power pumps, motors and integral transmissions | July 2009 | |
| 33. | IS 11245:2004 | Pneumatic cylinders - Purchase specification (<i>first revision</i>) | Mar 2010 | |
| 34. | IS 11277:2004 /ISO 5596:1999 | Hydraulic fluid power – Gas-loaded accumulators with separator - Ranges of pressures and volumes and characteristic quantities (<i>first revision</i>) | Mar 2010 | |
| 35. | IS 11337:2002 | Purchase specification for hydraulic cylinders (<i>first revision</i>) | Aug 2007 | |
| 36. | IS 11559:1995 /ISO 6982:1992 | Hydraulic fluid power – Cylinders – Rod end spherical eyes – Mounting dimensions (<i>first revision</i>) | Aug 2010 | |
| 37. | IS 11560:1995 /ISO 6981:1992 | Hydraulic fluid power – Cylinders – Rod end plain eyes – Mounting dimensions (<i>first revision</i>) | Aug 2010 | |
| 38. | IS 11845(Pt 1):1994 /ISO 5784-1:1988 | Fluid logic circuits for fluid power systems – Part 1: Symbols for binary logic and related functions (<i>first revision</i>) | Mar 2009 | |
| 39. | IS 11845(Pt 2):1995 /ISO 5784-2:1989 | Fluid logic circuits for fluid power systems – Part 2: Symbols for supply and exhausts as related to logic symbols | Aug 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---|---|-----------|-------------------|
| 40. | IS 11845(Pt 3):1994 /ISO 5784-3:1989 | Fluid logic circuits for fluid power systems – Part 3: Symbols for logic sequences and related functions (<i>first revision</i>) | May 2009 | |
| 41. | IS 12484:1999 | Cup seal for fluid power applications – Specification (<i>first revision</i>) | Nov 2009 | |
| 42. | IS 12485:1988 | Specification for Metal bonded seals | Oct 2008 | |
| 43. | IS 12498:1988 | Method of test for evaluation of performance of air pressure regulators | Nov 2008 | |
| 44. | IS 12593:2000 /ISO 8131:1992 | Hydraulic fluid power – Single rod cylinder 16MPa (160 bar) Compact series – Tolerances (<i>first revision</i>) | Aug 2010 | |
| 45. | IS 12597:1988 | Recommendation on units for fluid power system | Oct 2008 | |
| 46. | IS 12723:1988 /ISO 6432:1985 | Pneumatic fluid power – Single rod cylinder – 1000 kpa (10 bar) series – Bores from 8 mm to 25 mm – Mounting dimensions | Nov 2008 | |
| 47. | IS 12725:2002 /ISO 4414:1998 | Guide for application and installation of pneumatic fluid power systems | Nov 2007 | |
| 48. | IS 12738:1995 /ISO 6430:1992 | Pneumatic fluid power – Single rod cylinders, 1000kpa (10 bar) series with integral mountings, bores from 32mm to 250mm – Mounting dimensions (<i>first revision</i>) | Aug 2010 | |
| 49. | IS 13053:1991 | Hydraulic fluid power system – Commissioning and maintenance of complete hydraulic systems – Recommendations | July 2007 | |
| 50. | IS 13085:1991 /ISO 8136:1986 | Hydraulic fluid power – Single rod cylinders, 160 bar (16 MPa) – Medium series – Port dimensions | July 2007 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---------------------------------------|--|----------|-------------------|
| 51. | IS 13086:1999 /ISO 8139:1991 | Pneumatic fluid power – Cylinders 1000kpa (10 bar) series – Rod end spherical eyes – Mounting dimensions (<i>first revision</i>) | Nov 2009 | |
| 52. | IS 13087:1999 /ISO 8140:1991 | Pneumatic fluid power – Cylinders 1000kpa (10 bar) series – Rod end clevis – Mounting dimensions (<i>first revision</i>) | Nov 2009 | |
| 53. | IS 13102:1991 /ISO 8137:1986 | Hydraulic fluid power – Single rod cylinders, 250 bar (25 MPa) series – Port dimensions | Dec 2006 | |
| 54. | IS 13103:2005 /ISO 8138:1998 | Hydraulic fluid power – Single rod cylinders, 16 MPa (160 bar) compact series – Port dimensions (<i>first revision</i>) | Mar 2010 | |
| 55. | * IS 13251:1992 /ISO 8132:1986 | Hydraulic fluid power – Single rod cylinders, 160 bar (16 MPa) medium and 250 bar (25 MPa) series – Mounting dimensions for accessories | Feb 2007 | |
| 56. | * IS 13434:2005 * /ISO 8135:1999 | Hydraulic fluid power – Single rod cylinders, 16 MPa (160 bar) medium and 25 MPa (250 bar) series – Tolerances (<i>first revision</i>) | Mar 2010 | |
| 57. | * IS 13533:1992 * /ISO 4395:1978 | Fluid power cylinders – Piston rod thread dimensions and types | Dec 2006 | |
| 58. | * IS 13534:1992 /ISO 4411:1986 | Hydraulic fluid power – Valves – Determination of pressure differential/flow characteristics | Dec 2006 | |
| 59. | * IS 13535: 2005 * /ISO 16889:1999 | Hydraulic fluid power filters – Multi-pass method for evaluating filtration performance of a filter element (<i>first revision</i>) | Mar 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|-------------------------------------|---|----------|-------------------|
| 60. | * IS 13542:1992 | Hydraulic fluid power – Contamination analysis – Method of reporting analysis data | Dec2007 | |
| 61. | IS 13569:1993 /ISO 3722:1976 | Hydraulic fluid power – Fluid sample containers – Qualifying and controlling cleaning methods (<i>first revision</i>) | Dec 2006 | |
| 62. | IS 13570:2000 /ISO 4021:1992 | Hydraulic fluid power – Particulate contamination analysis – Extraction of fluid samples from lines of an operating system (<i>first revision</i>) | Dec 2006 | |
| 63. | * IS 13571:1992 * /ISO 4402:1991 | Hydraulic fluid power – Calibration of automatic count instruments for particles suspended in liquids – Method using classified AC fine dust contaminant | Feb 2007 | |
| 64. | IS 13617:1992 | Evaluation of pressure drop versus flow characteristics of pneumatic filters – Method of test | Dec 2007 | |
| 65. | IS 13876(Pt 1):1993 | Guide for marking system for fluid power components – Part 1: Cylinders | Oct 2008 | |
| 66. | IS 13876(Pt 2):1993 | Guide for marking system for fluid power components – Part 1: Valves | Oct 2008 | |
| 67. | IS 13876(Pt 3):1993 | Guide for marking system for fluid power components – Part 3: Pumps and motors | Oct 2008 | |
| 68. | IS 14148:2005 /ISO 5781:2000 | Hydraulic fluid power filter – Pressure reducing valves, sequences valves, unloading valves and check valves- Mounting surfaces (<i>first revision</i>) | Aug 2010 | |
| 69. | IS 14150:2005 /ISO 6264:1998 | Hydraulic fluid power – Pressure relief valves – Mounting surfaces (<i>first revision</i>) | Mar 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---|---|-----------|-------------------|
| 70. | * IS 14167:1994 ISO 10099:1990 | Pneumatic cylinders – Acceptance test | Jun 2010 | 1 |
| 71. | IS 14235:1995 | Wiper seals used for fluid power application – Specification | Feb 2010 | |
| 72. | IS 14236:1995 | Seals for reciprocating applications used in fluid power systems – Methods of test | Mar 2010 | |
| 73. | IS 14237:1995 | U-type seals with asymmetrical and symmetrical lips used for fluid power application – Specification | Apr 2010 | |
| 74. | IS 14601:1998 | Method of presenting performance data for hydraulic pumps | Dec. 2008 | |
| 75. | IS 14602:1999 | Installation methods of positive displacement hydraulic pumps & motors – Guidelines | Jan. 2009 | |
| 76. | IS 14604:1998 | Proforma for purchase specification for positive displacement pumps and motors used in oil hydraulic systems | Dec. 2008 | |
| 77. | IS 14645:1998 | Fluid power systems and components – Cylinders – Nominal pressure | Dec 2008 | |
| 78. | IS 14740:1999 /ISO 6358:1989 | Pneumatic fluid power – Components using compressible fluids – Determination of flow-rate characteristics | Nov 2009 | |
| 79. | IS 14848:2000 /ISO 3662:1976 | Hydraulic fluid power – Pumps and motors – Geometric displacements | Aug 2010 | |
| 80. | * IS 14849(Pt 1):2000 * /ISO 4392-1:1989 | Hydraulic fluid power – Determination of characteristics of motors - Part 1: At constant low speed and at constant pressure | Aug 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---|---|-----------|-------------------|
| 81. | * IS 14849(Pt 2):2000 * /ISO 4392-2:1989 | Hydraulic fluid power – Determination of characteristics of motors - Part 2: Startability | Aug 2010 | |
| 82. | IS 14849(Pt 3):2005 /ISO 4392-3:1993 | Hydraulic fluid power – determination of characteristics of motors – Part 3: At constant flow and at constant torque | Aug 2010 | |
| 83. | IS 14875:2000 ISO 5782-1: 1997 ISO 5782-1: 1997 | Compressed air filters-Evaluation parameters | Aug 2006 | |
| 84. | IS 14876:2000 ISO 6301-1:1997 ISO 6301-2:1997 | Compressed air lubricators - Evaluation parameters | Dec 2006 | |
| 85. | IS 15045(Pt 1):2001 /ISO 5599-1:1990 | Pneumatic fluid power – Five port directional control valves – Part 1: Mounting interface surfaces without electrical connector | Dec 2006 | |
| 86. | IS 15045(Pt 2):2001 /ISO 5599-2:1990 | Pneumatic fluid power – Five port directional control valves – Part 2: Mounting interface surfaces with optional electrical connector | Dec 2006 | |
| 87. | IS 15045(Pt 3):2001 /ISO 5599-3:1990 | Pneumatic fluid power – Five port directional control valves – Part 3: Code system for communication of valve functions | Dec 2006 | |
| 88. | * IS 15168:2002 * /ISO 6099:1985 | Fluid power systems and components – Cylinders – Identification code for mounting dimensions and mounting types | June 2007 | |
| 89. | * IS 15170:2002 * /ISO/TR 10949:1996 | Hydraulic fluid power – Methods for cleaning and for assessing the cleanliness level of components | July 2007 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------|---|---|-----------------|--------------------------|
| 90. | IS 15178:2002 /ISO 7745:1989 | Hydraulic fluid power – Fire resistant (FR) fluids – Guidelines for use | June 2007 | |
| 91. | IS 15179:2002 /ISO 6072:1986 | Hydraulic fluid power – Compatibility between elastomeric materials and fluids | June 2007 | |
| 92. | IS 15181(Pt 1):2002 /ISO 9110-1:1990 | Hydraulic fluid power – Measurement techniques – Part 1: General measurement principles | July 2007 | |
| 93. | IS 15181(Pt 2):2002 /ISO 9110-2:1990 | Hydraulic fluid power – Measurement techniques – Part 2: Measurement of average steady-state pressure in a closed conduit | July 2007 | |
| 94. | IS 15331:2003 /ISO 11727:1999 | Pneumatic fluid power – Identification of ports and control mechanisms of control valves and other components | April 2008 | |
| 95. | IS 15332:2003 /ISO 7285:1995 | Pneumatic cylinders for mechanized multiple spot welding | April 2008 | |
| 96. | IS 15432:2003 /ISO 7986:1997 | Hydraulic fluid power – Sealing devices – Standard test methods to assess the performance of seals used in oil hydraulic reciprocating applications | Dec 2008 | |

DRAFT STANDARDS FINALIZED FOR PRINTING

| | |
|--------------------|--|
| Doc: PGD 16 (1179) | Hydraulic fluid power – Fluids – Method for coding the level of contamination by solid particles (First revision of IS 13542) |
| Doc: PGD 16 (1180) | Hydraulic fluid power – Filter elements – Determination of resistance to flow fatigue using particulate contaminant (Second Revision of IS 8532) |
| Doc: PGD 16 (1181) | Hydraulic fluid power – Valves – Determination of pressure differential/flow characteristics (First Revision of IS 13534) |

DRAFT STANDARDS COMPLETED WIDE CIRCULATION

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|-------------------|---|
| Doc PGD 16 (1019) | Pneumatic Fluid Power – Cylinders – Final examination and |
|-------------------|---|

| | |
|-------------------|---|
| Doc PGD 16 (1182) | acceptance criteria (First Revision of IS 14167) Hydraulic fluid power – Filter elements – Verification of collapse/burst pressure rating (Second Revision of IS 8384) |
| Doc PGD 16 (1183) | Hydraulic fluid power – Four-port directional control valves – Mounting surfaces (second revision IS 10187) |
| Doc PGD 16 (1184) | Hydraulic fluid power – Single rod cylinders, 16 MPa (160 bar) medium and 25 MPa (250 bar) series – Mounting dimensions for accessories (First Revision of IS 13251) |

***INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS**

**PG 17 FLUID POWER FITTINGS, HOSES AND HOSE ASSEMBLIES
SECTIONAL COMMITTEE**

- SCOPE:** a) Standardization in the field of ports, fittings, tubes and tube, hoses & hose assemblies and their testing.
b) Liaison with:
i) ISO/TC 131/SC 4 Connectors and similar products and components

CORRESPONDING ISO COMMITTEE(S):

- ISO/TC 131/SC4 Connectors and Similar Products and Components
- ISO/TC 131/SC4/WG 1 Port and fitting end
- ISO/TC 131/SC4/WG 2 Flange port connectors
- ISO/TC 131/SC4/WG 3 Test requirements for fluid power hose assemblies
- ISO/TC 131/SC4/WG 4 Hydraulic quick-action couplings
- ISO/TC 131/SC4/WG 6 Methods for connecting hose couplings and tubes to connectors and
- ISO/TC 131/SC4/WG 9 Pneumatic connectors

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|---------------------|---|----------|-------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | * IS 8801:1978 * | Specification for Male stud coupling body for oil hydraulic couplings | Dec 2006 | 3 |
| 2. | * IS 8802:1987 * | Specification for Ferrules for oil hydraulic couplings (<i>first revision</i>) | Dec 2006 | 2 |
| 3. | * IS 8803:1987 * | Specification for Coupling nuts for oil hydraulic system (<i>first revision</i>) | Mar 2007 | 1 |
| 4. | IS 8805:2002 | General requirements for ferrule type couplings used in oil hydraulic systems (<i>first revision</i>) | Sep 2007 | |
| 5. | IS 9387(Pt 1):1979 | Specification for Taper male stud elbow body for oil hydraulic couplings – Part 1: Made from forging | Dec 2007 | |
| 6. | IS 9387(Pt 2):1979 | Specification for Taper male stud elbow body for oil hydraulic couplings – Part 2: Made from bar stock | Dec 2007 | |
| 7. | IS 9388(Pt 1):1979 | Specification for Equal elbow-body for oil hydraulic couplings – Part 1: Made from forgings | Dec 2007 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---------------------|--|----------|-------------------|
| 8. | IS 9388(Pt 2):1979 | Specification for Equal elbow-body for oil hydraulic couplings – Part 2: Tee body made from bar stock | Dec 2007 | |
| 9. | IS 9389(Pt 1):1979 | Specification for Equal tee body for oil hydraulic couplings – Part 1: Made from forgings | Dec 2007 | 1 |
| 10. | IS 9389(Pt 2):1979 | Specification for Equal tee body for oil hydraulic couplings – Part 2: Made from bar stock | Dec 2007 | 2 |
| 11. | IS 9390:1980 | Specification for Straight coupling body for oil hydraulic couplings | Dec 2007 | 1 |
| 12. | IS 9391:1980 | Specification for Straight coupling assemblies for oil hydraulic systems | Dec 2007 | |
| 13. | * IS 9392:1980 * | Specification for Taper male stud coupling body for oil hydraulic couplings | Dec 2007 | 1 |
| 14. | IS 9411:1980 | Specification for Elbow couplings assemblies for oil hydraulic systems | Dec 2007 | |
| 15. | IS 9412(Pt 1):1980 | Specification for Male stud elbow body for oil-hydraulic couplings – Part 1: Made from forgings | Dec 2007 | |
| 16. | IS 9412(Pt 2):1980 | Specification for Male stud elbow body for oil-hydraulic couplings – Part 2: Made from bar stock | Dec 2007 | 1 |
| 17. | IS 9645:2005 | Hexagon socket pipe plugs (first revision) | Mar 2010 | 1 |
| 18. | IS 9724(Pt 1):1981 | Specification for Taper male stud tee body (Stud branch) for oil-hydraulic couplings – Part 1: Made from forgings | Dec 2007 | 1 |
| 19. | IS 9724(Pt 2):1981 | Specification for Taper male stud tee body (Stud branch) for oil-hydraulic couplings – Part 2: Made from bar stock | Dec 2007 | 1 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--------------------|--|----------|-------------------|
| 20. | IS 9725(Pt 1):1981 | Specification for Male stud tee body (Stud branch) for oil hydraulic couplings – Part 1: Made from forgings | Dec 2007 | 1 |
| 21. | IS 9725(Pt 2):1981 | Specification for Male stud tee body (Stud branch) for oil hydraulic couplings – Part 2: Made from bar stock | Dec 2007 | 1 |
| 22. | IS 9746(Pt 1):1983 | Specification for Equal cross body for oil-hydraulic couplings – Part 1: Made from forgings | Dec 2007 | |
| 23. | IS 9746(Pt 2):1981 | Specification for Equal cross body for oil-hydraulic couplings – Part 2: Made from bar stock | Dec 2007 | 1 |
| 24. | IS 9757(Pt 1):1981 | Specification for Bulk head elbow body for oil-hydraulic couplings – Part 1: Made from forgings | Dec 2007 | |
| 25. | IS 9757(Pt 2):1983 | Specification for Bulk head elbow body for oil-hydraulic couplings – Part 2: Made from bar stock | Dec 2007 | 1 |
| 26. | IS 9767:1981 | Specification for Tee coupling assemblies for oil-hydraulic systems | Dec 2007 | |
| 27. | IS 9768:1995 | Specification for Bulk head straight body for oil-hydraulic couplings (<i>first revision</i>) | Dec 2006 | |
| 28. | IS 9769:1981 | Specification for Bulk head straight coupling assembly for oil hydraulic systems | Dec 2007 | 1 |
| 29. | IS 9770:1981 | Specification for Bulk head elbow coupling assembly for oil hydraulic systems | Dec 2007 | 1 |
| 30. | IS 10103:1982 | Method of test for ferrule type couplings used in oil-hydraulic systems | Dec 2007 | 3 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|-----------------------------|---|----------|-------------------|
| 31. | * IS 10410:1983 * | Specification for Lock nut for bulk head coupling assembly for oil hydraulic systems | Nov 2008 | 1 |
| 32. | * IS 10417:1983 * | Specification for Equal cross coupling assembly for oil hydraulic system | Nov 2008 | 2 |
| 33. | IS 10433(Pt 1) :1983 | Specification for Male stud tee body (Stud run) for oil hydraulic couplings – Part 1: Made from forgings | Nov 2008 | 1 |
| 34. | * IS 10433(Pt 2): 2002 * | Male stud tee body (Stud run) for oil hydraulic couplings – Specification Part 2: Made from bar stock (<i>first revision</i>) | Dec 2007 | |
| 35. | IS 10453(Pt 1): 1983 | Specification for Taper male stud tee body (Stud run) for oil hydraulic couplings – Part 1: Made from forging | Nov 2008 | 1 |
| 36. | IS 10453(Pt 2): 1983 | Specification for Taper male stud tee body (Stud run) for oil hydraulic couplings – Part 2: Made from bar stock | Nov 2008 | |
| 37. | IS 10480:1983 | Specification for Stud run tee coupling assemblies for oil hydraulic systems | Nov 2008 | |
| 38. | IS 10956:1984 | Specification for Welding coupling body for oil hydraulic couplings | Aug 2010 | |
| 39. | IS 10978:1984 | Specification for Welding coupling assembly for oil hydraulic systems | Aug 2010 | 1 |
| 40. | * IS 12092:1987 * | Method of test for hose assemblies used in hydraulic fluid power systems | Mar 2007 | |
| 41. | * IS 12096:1987 * | Hexagonal socket screw plugs with parallel screw threads for fluid power systems | Mar 2007 | 1 |
| 42. | * IS 12116(Pt 1): 1987 * | Hexagonal head taper plugs for oil hydraulic systems – Part 1: Made from forgings | Mar 2007 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--|--|-----------|-------------------|
| 43. | * IS 13170(Pt 1): 1999 * /ISO 6149-1:1993 | Connections for fluid power and general use – Ports and stud ends with ISO 261 threads and O-ring sealing – Part 1: Ports with O-ring seal in truncated housing <i>(first revision)</i> | Feb 2010 | |
| 44 | * IS 13170(Pt 2):1999 * /ISO 6149-2:1993 | Connections for fluid power and general use – Ports and stud ends with ISO 261 threads and O-ring sealing – Part 2 : Heavy duty (S series) stud ends – Dimensions, test methods and requirements | Feb 2010 | |
| 45. | * IS 13170(Pt 3):1999 * /ISO 6149-3:1993 | Connections for fluid power and general use – Ports and stud ends with ISO 261 threads and O-ring sealing – Part 3 : Light duty (L series) stud ends – Dimensions, design, test methods and requirements | Feb 2010 | |
| 46. | IS 13336:1992 | Reducer coupling assemblies for oil hydraulic systems – Specification | Jun 2007 | 1 |
| 47. | IS 13337:1992 | Straight reducer coupling body for oil hydraulic systems – Specification | Jun 2007 | 1 |
| 48. | * IS 13338:1992 * | Hexagonal head screw plugs with shoulder and parallel screw threads - Specification | June 2007 | |
| 49. | IS 13614(Pt 1):1995 /ISO 7241-1:1987 | Hydraulic fluid power – Quick action coupling – Part 1: Dimensions and requirements | Dec 2006 | |
| 50. | * IS 13614(Pt 2):1993 * /ISO 7241-2:1986 | Hydraulic fluid power – Quick action coupling – Part 2: Test methods | May 2008 | |
| 51. | * IS 14423:1997 * | Fluid power systems and components – Connectors and associated components – Nominal pressures | Jan 2007 | |
| 52. | IS 14528:1998 | Tube end straight reducers for oil hydraulic couplings | Mar 2008 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO.OF AMENDMENTS |
|---------|--|--|----------|------------------|
| 53 | IS 15097:2002 /ISO 6150:1988 | Pneumatic fluid power – Cylindrical quick action couplings for maximum working pressures of 10 bar, 16 bar and 25 bar (1Mpa, 1.6Mpa and 2.5Mpa) – Plug connecting dimensions, specifications, applications, guidelines and testing | Dec 2007 | |
| 54 | * IS 15276:2002 * /ISO 8434-4:1995 | Metallic tube connections for fluid power and general use – 24° cone connectors with O-ring weld-on nipples | Dec 2007 | |
| 55 | * IS 15277:2002 * /ISO 8434-5:1995 | Metallic tube connections for fluid power and general use – Test methods for threaded hydraulic fluid power connections | Dec 2007 | |
| 56. | IS 15577(Part 1): 2005 /ISO 9974-1:1996 | Connections for general use and fluid power – Ports and stud ends with ISO 261 threads with elastomeric or metal to metal sealing – Part 1 Threaded ports | Mar 2010 | |
| 57. | IS 15577(Part 2): 2005 /ISO 9974-2:1996 | Connections for general use and fluid power – Ports and stud ends with ISO 261 threads with elastomeric or metal to metal sealing – Part 2 Stud ends with elastomeric sealing (Type E) | Mar 2010 | |
| 58. | IS 15577(Part 3): 2005 /ISO 9974-3:1996 | Connections for general use and fluid power – Ports and stud ends with ISO 261 threads with elastomeric or metal to metal sealing – Part 3 Stud ends with metal to metal sealing (Type B) | Mar 2010 | |

DRAFT STANDARDS COMPLETED WIDE CIRCULATION

| | |
|-----------------|-------------------------------|
| Doc: PG17(1031) | Amendment 2 to IS 13336: 1992 |
| Doc: PG17(1032) | Amendment 2 to IS 13337: 1992 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

**PG 18 INDUSTRIAL AND PRODUCTION AUTOMATION
SYSTEMS AND ROBOTICS SECTIONAL COMMITTEE**

SCOPE: a) Standardization in the field of industrial automation systems and integration concerning discrete part manufacturing and encompassing the application of multiple technologies i.e. information systems, machines, equipments communication (Bus communication, telecommunication etc. excluded):

- Process automation
- Electrical electronics equipments
- Programmable logical controllers for general application
- Sensors

Liaison with:

- i) LTD 31 Data communication
 - ii) LTD 33 Information systems and software
 - iii) LTD 34 Programming languages
 - iv) LTD 35 Computer application systems
 - v) LTD 36 Computer systems and interconnections
 - vi) LTD 37 Computer media
- b) Coordination of work with:
- i) ISO/TC 184 Industrial automation systems

CORRESPONDING ISO COMMITTEE(S):

ISO/TC 184 Industrial Automation Systems

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|---|--|----------|-------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | * IS 13547(Pt 1):2003 /ISO 9409-1:1996 | Manipulating industrial robots – Mechanical interfaces – Part 1: Plates (Form A) | Feb 2008 | |
| 2. | * IS 13547(Pt 2):2003 /ISO 9409-2:1996 | Manipulating industrial robots – Mechanical interfaces – Part 2: Shafts (Form A) | Mar 2008 | |
| 3. | IS 14530:1998 /ISO 10210:1992 | Manipulating industrial robots – Safety | May 2008 | 1 |
| 4. | IS 14531:2005 /ISO 9946:1999 | Manipulating industrial robots – Presentation of characteristics (<i>first revision</i>) | Feb 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---|---|-----------|-------------------|
| 5. | IS 14533:2005 /ISO 9283:1998 | Manipulating industrial robots – Performance criteria related test methods(<i>first revision</i>) | Mar 2011 | |
| 6. | IS 14662:1999 /ISO 8373:1994 | Industrial robots – Vocabulary | Mar 2011 | |
| 7. | * IS 14663:1999 * /ISO 9787:1990 | Manipulating industrial robots – Coordinate systems and motions | Mar 2011 | |
| 8. | IS 14776(Pt 1):2000 /ISO/TR 10314(Pt 1):1990 | Industrial automation – Shop floor production – Part 1: Reference model for standardization and a methodology for identification of requirements | Mar 2011 | |
| 9. | IS 14776(Pt 2):2000 /ISO/TR 10314(Pt 2):1990 | Industrial automation – Shop floor production – Part 2: Application of the reference model for standardization and methodology | Mar 2011 | |
| 10. | IS 15031:2001 /ISO/TR 11032:1994 | Manipulating industrial robots – Application oriented test – Spot welding | July 2006 | |
| 11. | IS 15032(Pt 1):2001 /ISO 6210-1:1991 | Cylinder for robot resistance welding gums - Part 1: General requirement | July 2006 | |
| 12. | IS 15033:2001 /ISO/TR 11062:1994 | Manipulating industrial robots – EMC test methods and performance evaluation criteria – Guidelines | Aug 2006 | |
| 13. | IS 15034:2001 /ISO/TR 13309:1995 | Manipulating industrial robots – Informative guide on test equipment and metrology methods of operation for robot performance evaluation in accordance with IS 14533:1998 | Aug 2006 | |
| 14. | IS 15035:2001 /ISO/TR 10562:1995 | Manipulating industrial robots – Intermediate code for robot (ICR) | Oct 2006 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---------------------------------------|---|----------|-------------------|
| 15. | IS 15291:2003 /ISO 11593:1996 | Manipulating industrial robots – Automatic end effect or exchange systems – Vocabulary and presentation of characteristics | Mar 2008 | |
| 16. | IS 15292:2003 /ISO 15187:2000 | Manipulating industrial robots – Graphical user interfaces for programming and operation of robots (GUI-R) | Mar 2008 | |
| 17. | IS 15294:2003 /ISO/TR 10450:1991 | Industrial automation systems and integration operating conditions for discrete part manufacturing – Equipment in industrial environments | Feb 2008 | |
| 18. | IS 15295:2003 /ISO 10656:1996 | Electric resistance welding – Integrated transformers for welding guns | Feb 2008 | |
| 19. | * IS 15296:2003 * / ISO 11161:1994 | Industrial automation systems – Safety of integrated manufacturing systems – Basic requirements | Feb 2008 | |
| 20. | IS 15571:2005 /ISO/TR 11065:1992 | Industrial automation glossary | Feb 2010 | |

DRAFT STANDARDS UNDER PRINT

| | |
|-------------------------------------|---|
| DOC:PG 18(1119) /ISO 9409-1:2004 | Manipulating industrial robots – Mechanical interfaces – Part 1: Plates [<i>Second Revision</i> of IS 13547(Part 1)] |
| DOC:PG 18(1120) /ISO 9409-2:2002 | Manipulating industrial robots – Mechanical interfaces – Part 2: Shafts [<i>First Revision</i> of IS 13547(Part 2)] |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

PG 19 LUBRICATING EQUIPMENT SECTIONAL COMMITTEE

SCOPE: Formulation of standards on lubricating equipment such as nipples, grease dispensers, oil cans, oil cups for drip feed and grease cups.

CORRESPONDING ISO COMMITTEE(S): NIL

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|------------------------|--|-----------------|--------------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | ** IS 4009(PT 1): 1981 | Specification for Grease nipples Part 1 Button head grease nipples (<i>first revision</i>) | July 2008 | |
| 2. | ** IS 4009(PT 2): 1981 | Specification for Grease nipples Part 2 Conical head grease nipples (<i>first revision</i>) | July 2008 | |
| 3. | ** IS 4009(PT 3): 1995 | Lubricating equipment - Grease nipples Part 3 Cup type – Specification | Mar 2009 | |
| 4. | ** IS 4561(PT 1): 1968 | Specification for Oil cans Part 1 Light duty oil cans | Dec 2006 | 1 |
| 5. | ** IS 4561(PT 2): 1968 | Specification for Oil cans Part 2 Conical oil cans | July 2008 | |
| 6. | ** IS 4561(PT 3): 1968 | Specification for Oil cans Part 3 Feeding oil cans | July 2008 | |
| 7. | ** IS 4561(PT 4): 1968 | Specification for Oil cans Part 4 Detachable spout oil cans | July 2008 | |
| 8. | ** IS 4561(PT 5): 1968 | Specification for Oil cans Part 5 Lever type oil cans | Dec 2006 | |
| 9. | IS 4672:1982 | Specification for Grease cups (<i>first revision</i>) | Dec 2006 | |
| 10. | IS 4673:1968 | Specification for Wick feed lubricators | Dec 2006 | 1 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|-------------------|--|-----------|-------------------|
| 11. | IS 5548:1970 | Specification for Lubricating nipple adaptors | Dec 2006 | |
| 12. | IS 5559:1984 | Specification for oilers (first revision) | Dec 2006 | |
| 13. ** | IS 5664:1984 | Specification for lubricating connectors (<i>first revision</i>) | Dec 2006 | |
| 14. | IS 7089:1973 | Specification for Limited supply plugs | July 2008 | |
| 15. | IS 7744:1975 | Dimensions for drip-feed lubricators | Dec 2006 | |
| 16. | IS 7745:1975 | Dimensions for lubrication holes, grooves and bore reliefs | July 2008 | |
| 17. ** | IS 7794:1984 | Specification for Manual portable grease guns (<i>first revision</i>) | Dec 2006 | |
| 18. | IS 8417:1977 | Glossary of lubrication terms | Dec 2006 | |
| 19. | IS 8593(P1): 1977 | Recommendations for centralized lubrication as applied in plant and machinery Part 1 Oil lubrication | Dec 2006 | 1 |
| 20. | IS 8593(P2): 1988 | Recommendations for centralized lubrication as applied in plant and machinery Part 2 Grease lubrication | July 2008 | |
| 21. | IS 8593(P3): 1984 | Recommendations for centralized lubrication as applied in plant and machinery Part 3 Aerosol lubrication | Dec 2006 | |
| 22. ** | IS 9772:1981 | Specification for Air operated high pressure grease pumps | July 2008 | 1 |
| 23. ** | IS 9773:1981 | Specification for Volume grease pumps | Dec 2006 | |
| 24. | IS 11617:1986 | Specification for Regulating type liquid flow indicators | July 2008 | 1 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------|-----------------------|--|-----------------|--------------------------|
| 25. | IS 11618:1986 | Specification for Non-regulating type liquid flow indicators | Dec 2006 | |
| 26. | IS 12139:1987 | Code for lubrication symbols | July 2008 | |
| 27. | IS 14279:1995 | Lubricating equipment – Barrel transfer pumps for grease – Specification | Mar 2009 | |
| 28. | IS 14298:1995 | Lubricating equipment – Barrel transfer pumps for oil – Specification | Mar 2009 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

- SCOPE:** a) Formulation of standards on
- i) Basic mechanical engineering subjects for general applicability such as knurls, relief grooves, countersunks and counterbores, and
 - ii) Screw threads including basic profiles, pitch-diameter combination, terminology, technical requirement and tolerances but excluding screw thread gauges.
- b) Coordination of work with:
- i) ISO/TC 1 Screw Thread and

CORRESPONDING ISO COMMITTEE(S):
ISO/TC 1 Screw Thread;

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|--|--|----------|-------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 554:1999 /ISO 7-1:1994 | Pipe threads where pressure tight joints are made on the threads – Dimensions, tolerances and designation (<i>fourth revision</i>) | May 2009 | 1 |
| 2. | ** IS 919(Pt 1):1993 /ISO 286 -1:1988 | ISO System of limits and fits – Part 1: Basis of tolerances, deviations and fits (<i>second revision</i>) | Nov 2008 | |
| 3. | ** IS 919(Pt 2):1993 /ISO 286 -2:1988 | ISO System of limits and fits – Part 2: Tables of standard tolerances grades and limit deviations for holes and shafts (<i>first revision</i>) | Nov 2008 | |
| 4. | IS 2102(Pt 1): 1993 /ISO 2768-1:1989 | General tolerances – Part 1: Tolerances for linear and angular dimensions without individual tolerance indications (<i>third revision</i>) | Nov 2008 | |
| 5. | IS 2102(Pt 2): 1993 /ISO 2768-2:1989 | General tolerances – Part 2: Geometrical tolerances for features without individual tolerance indications | Nov 2008 | |
| 6. | IS 2186:1985 | ISO metric external screw threads interference fit applications (<i>first revision</i>) | May 2011 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--------------------------------------|---|-----------|-------------------|
| 7. | IS 2473:1975 | Dimensions for centre holes (<i>first revision</i>) | Feb 2007 | 2 |
| 8. | IS 2540:2008 | Dimensions for threaded centre holes (<i>first revision</i>) | | |
| 9. | IS 2643:2005 /ISO 228-1:2000 | Pipe threads where pressure-tight joints are not made on the threads – Dimensions, tolerances and designation (<i>third revision</i>) | Sep 2010 | |
| 10. | IS 2769:1969 | Sizes for squares and square holes for general engineering purposes (<i>first revision</i>) | Feb 2007 | |
| 11. | IS 3403:1981 | Dimensions for knurls (<i>first revision</i>) | Feb 2007 | |
| 12. | ** IS 3406(Pt 1):1986 | Dimensions for countersinks and counterbores – Part 1: Countersinks (<i>second revision</i>) | Feb 2007 | |
| 13. | ** IS 3406(Pt 2):1986 | Dimensions for countersinks and counterbores – Part 2: Counterbores (<i>second revision</i>) | Feb 2007 | 1 |
| 14. | ** IS 3428:1980 | Dimensions for relief grooves (<i>first revision</i>) | Feb 2007 | |
| 15. | ** IS 3457::1987 | Radii for general engineering purposes (<i>first revision</i>) | Feb 2007 | |
| 16. | IS 3458:2001 /ISO 1119:1998 | Conical tapers and taper angles for general engineering purposes (<i>second revision</i>) | Nov 2006 | |
| 17. | IS 4218(Pt 1):2001 /ISO 68-1:1998 | ISO general purpose metric screw threads – Part 1: Basic profiles (<i>second revision</i>) | Aug 2006 | |
| 18. | IS 4218(Pt 2):2001 /ISO 261:1998 | ISO general purpose metric screw threads – Part 2: General plan (<i>second revision</i>) | Aug 2006 | |
| 19. | IS 4218(Pt 3):1999 /ISO 724:1993 | ISO general purpose metric screw threads – Part 3: Basic dimensions (<i>second revision</i>) | July 2009 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--------------------------------------|---|----------|-------------------|
| 20. | IS 4218(Pt 4):2001 /ISO 262:1998 | ISO general purpose metric screw threads – Part 4: Selected <i>revision</i>)sizes for screws, bolts and nuts (<i>second</i> | Sep 2006 | |
| 21. | IS 4695(Pt 1): 2003 | General purposes knuckle threads – Part 1: Thread profiles and nominal dimensions (<i>second revision</i>) | Dec 2008 | |
| 22. | IS 4695(Pt 2): 2003 | General purposes knuckle threads – Part 2: Deviations and tolerances (<i>second revision</i>) | Dec 2008 | |
| 23. | IS 4696(Pt 1): 2004 | metric buttress threads – Part 1 :Thread Dimensions for profile (<i>second revision</i>) | Nov 2009 | |
| 24. | IS 4696(Pt 2): 2004 | Dimensions for metric buttress threads Part 2: Pitch diameter combination (<i>second revision</i>) | Oct 2009 | |
| 25. | IS 4696(Pt 3): 2004 | Dimensions for metric buttress threads Part 3: Basic dimensions (<i>second revision</i>) | Nov 2009 | |
| 26. | IS 4696(Pt 4): 2005 | Dimensions for metric buttress threads – Part 4: Tolerancing system (<i>second revision</i>) | Feb 2010 | |
| 27. | IS 7008(Pt 1):1999 /ISO 2901:1993 | ISO metric trapezoidal screw threads – Part 1: Basic profile and maximum material profile (<i>second revision</i>) | Nov 2009 | |
| 28. | IS 7008(Pt 2):1988 /ISO 2902:1977 | ISO metric trapezoidal screw threads – Part 2: Pitch diameter combinations (<i>first revision</i>) | Oct 2008 | |
| 29. | IS 7008(Pt 3):1988 /ISO 2904:1977 | ISO metric trapezoidal screw threads – Part 3: Basic dimensions (<i>first revision</i>) | Oct 2008 | |
| 30. | IS 7008(Pt 4):1999 /ISO 2903:1993 | ISO metric trapezoidal screw threads – Part 4: Tolerances (<i>second revision</i>) | Nov 2009 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|-------------------------|---|----------|-------------------|
| 31. | IS 7615 : 2003 | System of cone tolerances for conical work pieces from C = 1:3 to 1:500 and lengths from 6 to 630 mm (<i>second revision</i>) | Dec 2008 | |
| 32. | IS 7684:1975 | Limits of sizes for ISO metric trapezoidal nut threads (diameter range 8 to 100mm) | May 2011 | 1 |
| 33. | IS 7685:1975 | Limits of sizes for ISO metric trapezoidal bolt threads (diameter range 8 to 100mm) | May 2011 | 1 |
| 34. | IS 7726:1975 | Limits of sizes for ISO metric trapezoidal nut threads (diameter range 105 to 300 mm) | Oct 2006 | 1 |
| 35. | IS 7727:1975 | Limits of sizes for ISO metric trapezoidal bolt threads (diameter range 105 to 300 mm) | Oct 2006 | 1 |
| 36. | IS 8788:2002 | Dimensions for metric external taper and internal parallel screw threads (<i>second revision</i>) | Sep 2007 | |
| 37. | IS 8841:1978 | Recommendations for limits and fits for sizes above 3 150 mm to 10 000 mm | Nov 2008 | |
| 38. | IS 9965:1981 | Limits of sizes for ISO metric external screw threads for high temperature applications | Oct 2008 | |
| 39. | IS 10587:1983 | Terminology for screw threads | May 2011 | |
| 40. | ** IS 11698(Pt 1) :2004 | ISO miniature screw threads – Part 1: Basic profiles(<i>first revision</i>) | Nov 2009 | |
| 41. | ** IS 11698(Pt 2):2004 | ISO miniature screw threads – Part 2: Basic dimensions for design profiles | Nov 2009 | |
| 42. | ** IS 11698(Pt 3):2005 | ISO miniature screw threads – Part 3: Tolerances (<i>first revision</i>) | Sep 2010 | |
| 43. | ** IS 11698(Pt 4):2005 | ISO miniature screw threads – Part 4: Limits of sizes (<i>first revision</i>) | Sep 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|-------------------------------------|--|-----------|-------------------|
| 44. | IS 12186:1987 | Tolerances for ISO metric trapezoidal screw threads for lead and feed screw assemblies | Oct 2008 | |
| 45. | IS 14962(Pt 1):2001 /ISO 965-1:1998 | ISO general purpose metric screw threads – Tolerances – Part 1: Principles and basic details | Aug 2006 | |
| 46. | IS 14962(Pt 2):2001 /ISO 965-2:1998 | ISO general purpose metric screw threads – Tolerances – Part 2 : Limits of sizes for internal and external screw threads - Medium quality | Aug 2006 | |
| 47. | IS 14962(Pt 3):2001 /ISO 965-3:1998 | ISO general purpose metric screw threads – Tolerances – Part 3: Deviation for constructional screw threads | July 2006 | |
| 48. | IS 14962(Pt 4):2001 /ISO 965-4:1998 | ISO general purpose metric screw threads – Tolerances Part 4: Limits of sizes for hot-dip galvanized external screw threads to mate with internal screw threads tapped with tolerance position H or G after galvanizing | Sep 2006 | |
| 49. | IS 14962(Pt 5):2001 /ISO 965-5:1998 | ISO general purpose metric screw threads – Tolerances Part 5: Limits of sizes for hot-dip galvanized internal screw threads to mate with external screw threads with maximum size of tolerance position h before galvanizing | Sep 2006 | |
| 50. | SP 42:2008 | Survey of screw threads (<i>First Revision</i>) | | |

DRAFT STANDARDS UNDER PRINT

DOC:PG 20(1021) Radii for general engineering purposes (*Second Revision* of IS 3457)

DOC:PG 20(1020) Dimensions for relief grooves (*Second Revision* of IS 3428)

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

PG 21 METEOROLOGICAL INSTRUMENTS SECTIONAL COMMITTEE

SCOPE: Preparation of standards for rain gauges; rain measures; anemometers; windvanes; Psychrometers; thermometer screen (Single and double); evaporimeters; barometers; thermographs; hygrograph barographs etc.

CORRESPONDING ISO COMMITTEE : NIL

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|-----------------------|--|-----------------|--------------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 4849:1992 | Meteorology – Rain measures – Specification (<i>first revision</i>) | Dec 2008 | 1 |
| 2. | IS 5225:1992 | Meteorology – Rain gauge, non recording – Specification (<i>first revision</i>) | Mar 2008 | |
| 3. | IS 5235:1992 | Meteorology – Rain gauge, recording – Specification (<i>first revision</i>) | Mar 2008 | 1 |
| 4. | IS 5793:1970 | Specification for Aneroid barometers | Oct 2006 | 1 |
| 5. | IS 5798:1970 | Specification for Mercury barometers | Oct 2006 | 1 |
| 6. | IS 5799:1970 | Specification for Windvane | Oct 2006 | |
| 7. | IS 5900:1970 | Specification for Hair hygrograph | Dec 2008 | 1 |
| 8. | IS 5901:1970 | Specification for Thermograph, bimetallic | Dec 2008 | 1 |
| 9. | IS 5912:1997 | Specification for Anemometer, cup counter (<i>first revision</i>) | Oct 2007 | |
| 10. | IS 5924:1988 | Specification for Clock mechanism and drums for meteorological instruments (<i>first revision</i>) | Dec 2008 | 1 |
| 11. | IS 5945:1970 | Specification for Barograph, aneroid | Dec 2008 | 1 |
| 12. | IS 5946:1992 | Meteorology – Whirling psychrometer – Specification (<i>first revision</i>) | Mar 2008 | |
| 13. | IS 5947:1970 | Charts for recording meteorological instruments | Oct 2006 | 1 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|----------------|---|----------|-------------------|
| 14. | IS 5948:1970 | Specification for Thermometer screens | Oct 2006 | |
| 15. | IS 5973:1998 | Pan evaporimeter – Specification (<i>first revision</i>) | Feb 2008 | |
| 16. | IS 6805:1973 | Specification for Assmann psychrometer | Dec 2008 | 1 |
| 17. | IS 6806:1973 | Specification for Snowgauge | Dec 2008 | 1 |
| 18. | IS 6871:1992 | Wind equipment distant indicating – Specification (<i>first revision</i>) | Mar 2008 | 1 |
| 19. | IS 7243:1974 | Specification for Sunshine recorder | Oct 2006 | |
| 20. | IS 7244:1974 | Specification for Thermometer for mercury barometer | Oct 2006 | |
| 21. | IS 8336:1977 | Specification for Thermoelectric pyranometer | Dec 2008 | 4 |
| 22. | IS 8693:1978 | Specification for Net pyrradiometer | Oct 2006 | 2 |
| 23. | IS 8754:1992 | Electrical anemograph -specifications (<i>first revision</i>) | Mar 2008 | 1 |
| 24. | IS 9085:1979 | Specification for Correction slide for mercury barometers | Oct 2006 | 1 |
| 25. | IS 10473:1983 | Specification for Cloud search light | Oct 2006 | |
| 26. | IS 11121:1984 | Specification for Pyranograph, bimetallic | Oct 2006 | |
| 27. | IS 11875:1986 | Specification for Diffuse pyranometers | Dec 2008 | 1 |
| 28. | IS 11876:1986 | Specification for Airmeter | Dec 2008 | 1 |
| 29. | IS 12781:1989 | Marine buckets for sea surface temperature measurement- specification | Dec 2008 | |
| 30. | IS 13436:1992 | Sensitive anemometer - Specification | Mar 2008 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------|-----------------------|---|-----------------|--------------------------|
| 31. | IS 13448:1992 | Meteorology–Thermoelectric pyr heliometer – Specification | Mar 2008 | |
| 32. | IS 13459:1992 | Angstrom pyr heliometer – Specification | Mar 2008 | |
| 33. | IS 15216:2002 | Balloons – Meteorological | Sep 2007 | |
| 34. | IS 15243:2002 | Velocity set scale for meteorological purposes | Dec 2007 | |
| 35. | IS 15253:2002 | Dew gauge – Specification | Dec 2007 | |
| 36. | SP 61:1994 | General guidelines for automatic weather stations | Aug 2009 | 1 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

**EDUCATIONAL INSTRUMENTS AND
EQUIPMENT SECTIONAL COMMITTEE**

- SCOPE:** (a) Formulation of standards for instruments and equipment for school and college Laboratories.
 (b) Formulation of standards for surveying instruments, drawing instruments; optical instruments (excluding medico – optical instruments) and their components and materials.
 (c) Coordination of work with:
 i) ISO/TC 172 Optics and photonics.

CORRESPONDING ISO COMMITTEE : ISO/TC 172

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|----------------------------|-----------------------|---|-----------------|-------------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 988:1959 | General requirements for optical components | Aug 2010 | |
| 2. | IS 1360:1989 | Engineers' pattern tee squares (second revision) | Dec 2010 | |
| 3. | IS 1399:1959 | Glossary of terms used in optical technology | Aug 2010 | |
| 4. | IS 1400:1960 | Specification for optical glass | Aug 2010 | 1 |
| 5. | IS 1444:1989 | Engineers' pattern drawing boards (second revision) | Dec 2010 | |
| 6. | IS 1480:1970 | Specification for metric scales for general purposes (first revision) | Sep 2010 | 2 |
| 7. | IS 1481:1970 | Specification for metric steel scales for engineers (first revision) | Sep 2008 | 2 |
| 8. | IS 1491:1959 | Specification for metric scales for architectural purposes | Aug 2010 | |
| 9. | IS 1492:1970 | Metric surveying chains (first revision) | Sep 2008 | 2 |
| 10. | IS 1561:1989 | Set squares for use of drawing offices (first revision) | Dec 2009 | 1 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
 / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENMENT |
|---------|----------------|---|----------|-----------------|
| 11. | IS 1562:1962 | Specification for metric diagonal scales (cartographers, surveyors and engineers) | Aug 2010 | 1 |
| 12. | IS 1563:1989 | Protractors for use of drawing offices (first revision) | Dec 2009 | 1 |
| 13. | IS 1632:1993 | Optical instruments - Bubbles - Specification (first revision) | Sep 2008 | |
| 14. | IS 1764:1961 | Specification for trough compass | Aug 2010 | |
| 15. | IS 1779:1961 | Specification for 4-metric, leveling staff, folding type | Aug 2010 | |
| 16. | IS 1842:1961 | Specification for surveying chain pins (arrows) | Aug 2010 | |
| 17. | IS 1955:1961 | Specification for prismatic compasses, liquid | Aug 2010 | |
| 18. | IS 1957:1961 | Specification for prismatic compasses, non-liquid | Aug 2010 | |
| 19. | IS 2233:1962 | Specification for straightedges for drawing offices use | Aug 2010 | |
| 20. | IS 2286:1963 | Specification for pantograph | Aug 2010 | |
| 21. | IS 2287:1970 | Specification for drafting machines (first revision) | Aug 2010 | 1 |
| 22. | IS 2288:1963 | Specification for ranging rods | Aug 2010 | |
| 23. | IS 2466:1963 | Specification for beam compasses | Aug 2010 | |
| 24. | IS 2533:1978 | Specification for geometry boxes (<i>first revision</i>) | Dec 2007 | 3 |
| 25. | IS 2539:1963 | Plane tables | Aug 2010 | 1 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|-------------------------|--|----------|------------------|
| 26. | IS 2754:1964 | General requirements for optical instruments | Aug 2010 | 2 |
| 27. | IS 2976:1964 | Specification for optical theodolite | Aug 2010 | |
| 28. | IS 2988:1995 | Vernier theodolite - Specification (first revision) | Nov 2010 | |
| 29. | IS 3081:1994 | Microscopes - General purposes - Dimensions and marking (first revision) | Dec 2009 | |
| 30. | * IS 3099(Pt 1&2): 1992 | Microscopes – Slips and slides – Specification: Part 1 Microscope slips; Part 2 Microscope slides (first revision) | Jan 2008 | 4 |
| 31. | IS 3113:1965 | Specification for prismatic binoculars for common use | Aug 2010 | 1 |
| 32. | IS 3135:1965 | Specification for cathetometer | Aug 2010 | |
| 33. | IS 3206:1989 | Engineers’ drawing instruments, dividers - Specification (first revision) | Dec 2009 | |
| 34. | IS 3207:1989 | Engineers’ drawing instruments, rotating compasses - Specification (first revision) | Dec 2009 | |
| 35. | IS 3208:1989 | Engineers’ drawing instruments, half set of compasses – Specification (first revision) | Dec 2009 | |
| 36. | IS 3209:1989 | Engineers’ drawing instruments, spring bow compasses - Specification (first revision) | Dec 2009 | |
| 37. | IS 3210:1989 | Engineers’ drawing instruments, drawing pens - Specification (first revision) | Dec 2009 | |
| 38. | IS 3211:1991 | Engineers’ drawing instruments, pen points – Specification(first revision) | Aug 2010 | |
| 39. | IS 3212:1991 | Engineers’ drawings instruments, lengthening bars – Specification(first revision) | Aug 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
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| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|----------------|-----------------------|--|-----------------|-------------------------|
| 40. | IS 3213:1991 | Engineers' drawing instruments, handles – Specification(first revision) | Aug 2010 | |
| 41. | IS 3214:1991 | Engineers' drawing instruments, pencil points – Specification(first revision) | Aug 2010 | |
| 42. | IS 3215:1991 | Engineers' drawing instruments, needle points – Specification(first revision) | Aug 2010 | |
| 43. | IS 3216:1989 | Engineers' drawing instruments, needles – Specification(first revision) | Dec 2009 | |
| 44. | IS 3217:1991 | Engineers' drawing instruments, prickers – Specification(first revision) | Aug 2010 | |
| 45. | IS 3218:1968 | Specification for paralleled rulers, 150 mm (link type) | Sep 2008 | |
| 46. | IS 3219:1966 | Specification for engineers' drawing instruments, boxes for reads and needles | Aug 2010 | |
| 47. | IS 3220:1966 | Specification for engineers' drawing instruments, screw drivers | Aug 2010 | |
| 48. | IS 3221:1966 | Set for drawing instruments | Aug 2010 | |
| 49. | IS 3222(PT 1):1989 | Instruments screws – Specification – Part 1 Fasteners for drawing instruments (first revision) | Dec 2009 | |
| 50. | IS 3686:1966 | Specification for student type microscope | Aug 2010 | 2 |
| 51. | IS 4328:1967 | Specification for monocular dissecting microscope | Aug 2010 | 2 |
| 52. | IS 4329:1967 | Specification for measuring (travelling) microscope | Aug 2010 | 2 |
| 53. | IS 4380:1967 | Specification for abneyd level | Aug 2010 | 1 |

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/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|----------------|---|----------|------------------|
| 54. | IS 4590:1980 | Specification for secondary level (first revision) | Aug 2010 | 1 |
| 55. | IS 5146:1969 | Specification for sounding sextant | Aug 2010 | |
| 56. | IS 5148:1969 | Specification for hand magnifiers (circular) 50 mm, 75 mm and 100 mm | Aug 2010 | |
| 57. | IS 5153:1969 | Specification for proportional compasses – 150 mm, 200 mm and 300 mm | Dec 2009 | |
| 58. | **IS 5204:1969 | Specification for research microscope | Aug 2010 | 3 |
| 59. | IS 5205:1969 | Specification for drawing pins | Sep 2008 | |
| 60. | IS 5213:1969 | Specification for french curves for drawing office use | Sep 2008 | 1 |
| 61. | IS 5415:1969 | Code of practice for packing and packaging of optical and mathematical instrument and components | Dec 2009 | |
| 62. | IS 5694:1970 | Specification for engineers' drawing instruments, dotting pens | Sep 2008 | 1 |
| 63. | IS 5706:1993 | Optical instruments – Spirit levels for use in precision engineering – Specification (first revision) | Aug 2010 | |
| 64. | IS 5726:1970 | Specification for engineers' drawing instruments, bordering pens | Sep 2008 | |
| 65. | IS 5737:1970 | Specification for engineers' drawing instruments, curve pens | Sep 2008 | |
| 66. | IS 5920:1970 | Recommendations for the preparation of drawings for optical elements and systems | Sep 2008 | 1 |
| 67. | IS 5928:1970 | Specification for tangent clinometer | Aug 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
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| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|----------------|---|-----------|------------------|
| 68. | IS 6425:1971 | Specification for dioptometer (lensometer) | Sep 2008 | 2 |
| 69. | IS 6471:1971 | Specification for spectrometer (student type) | Sep 2008 | 1 |
| 70. | IS 7009:1973 | Specification for optical square (for surveying) | Sep 2008 | |
| 71. | IS 7010:1973 | Specification for pivots for compasses | Aug 2010 | 1 |
| 72. | IS 7011:1973 | Specification for back-silvered mirrors used in instrument industry | Aug 2010 | 1 |
| 73. | IS 7020:1973 | Crystals and dielectric materials used in instrument industry | Aug 2010 | |
| 74. | IS 7047:1973 | Timbers used in instrument industry | Aug 2010 | |
| 75. | IS 7078:1973 | Plastics used in instrument industry | Aug 2010 | |
| 76. | IS 7265:1973 | Coating materials (metals, alloys dielectrics) used in optical instrument industry | Aug 2010 | |
| 77. | IS 7543:1975 | Specification for Planimeters | Sep 2008 | |
| 78. | IS 7544:1975 | Specification for parallel ruler (roller type) | Sep 2008 | |
| 79. | IS 7545:1975 | Specification for optical bench (advanced type) | Dec 2009 | |
| 80. | IS 7919:1975 | Specification for refractometer-abbe type | Dec 2009 | |
| 81. | IS 8248:1976 | Specification for anti reflection coating on glass optical components | Aug 2010 | |
| 82. | IS 8275:1976 | Specification for binocular eyepieces for microscope | Dec 2009 | 1 |
| 83. | IS 8311:1976 | Specification for instrument jewels | Dec 2009 | 1 |
| 84. | IS 8330:2004 | Tripod for surveying instruments – Fixed leg type – Specification (second revision) | June 2009 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|---------------------|--|----------|------------------|
| 85. | IS 8390:1977 | Specification for arc combs | Dec 2009 | |
| 86. | IS 8622:1999 | Wire wound sliding contact rheostats for use in educational institutions – Specification (<i>first revision</i>) | Dec 2009 | |
| 87. | IS 8630:1977 | Specification for engineers' drawing instrument, double line pens | Aug 2010 | 1 |
| 88. | IS 8651:1977 | Specification for flame photometer | Dec 2009 | |
| 89. | IS 8661:1977 | Specification for polarimeter and saccharimeter (optical) | Dec 2009 | |
| 90. | IS 8679:1978 | Specification for triangular scales | Aug 2010 | |
| 91. | IS 8680:1978 | Specification for engineers' drawing instruments, compass bowl pen double knee jointed with sector head joints | Aug 2010 | |
| 92. | IS 8691:1986 | Specification for mirror stereoscope (first revision) | Aug 2010 | |
| 93. | IS 8916:1978 | Specification for spherometer | Dec 2007 | |
| 94. | IS 9107:1979 | Specification for autocollimator | Dec 2009 | 2 |
| 95. | IS/ISO 9176:1988 | Tubular technical pens – Adopter for compasses | Aug 2010 | |
| 96. | IS/ISO 9177-1: 1989 | Mechanical pencils : part 1 Classification, dimensions, performance requirements and testing | May 2011 | |
| 97. | IS/ISO 9177-2: 1989 | Mechanical pencils : part 2 Black leads – Classification and dimensions | May 2011 | |
| 98. | IS/ISO 9177-3: 1989 | Mechanical pencils : part 3 Black leads – Bonding strength of HB lead | Aug 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|---------------------|---|----------|------------------|
| 99. | IS/ISO 9178-1:1988 | Templates for lettering and symbols: Part 1 General principles and identification markings | May 2011 | |
| 100. | IS/ISO 9178-2:1988 | Templates for lettering and symbols: Part 2 Slot widths for wood cased pencils, clutch pencils and fine lead pencils | May 2011 | |
| 101. | IS/ISO 9178-3:1988 | Templates for lettering and symbols: Part 3 Slot widths for technical pens with tubular tips in accordance with ISO 9175-1 | May 2011 | |
| 102. | IS/ISO 9179-1: 1988 | Technical drawings – Numerically controlled draughting machines – Part 1 Vocabulary | May 2011 | |
| 103. | IS/ISO 9180:1988 | Black leads for wood-cased pencils – Classification and diameters | Aug 2010 | |
| 104. | IS 9440:1979 | Specification for laboratory balance | Dec 2007 | |
| 105. | IS 9441:1979 | Specification for sextant | Dec 2007 | |
| 106. | IS 9514:1980 | Specification for front surface aluminized mirrors | Aug 2005 | |
| 107. | IS 9571:1980 | Specification for photoelectric colorimeters (single beam) | Aug 2010 | |
| 108. | IS 9607:1980 | Specification for tertiary level | Aug 2010 | |
| 109. | IS 9613:1980 | Specification for primary level | Aug 2010 | |
| 110. | IS 9680:1980 | Materials for light duty springs for instrument industry | Dec 2009 | |
| 111. | IS/ISO 9849:1991 | Optics and optical instruments – Geodetic instruments –vocabulary | Aug 2010 | |
| 112. | IS 9865:1981 | Specification for laboratory weights | Dec 2007 | |
| 113. | IS 9892:1981 | Specification for subtense bar | Sep 2008 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|--------------------|--|----------|------------------|
| 114. | IS 9898:1981 | Specification for helictrope surveying | Sep 2008 | |
| 115. | IS/ISO 9960-1:1992 | Draughting instruments with or without graduation: Part 1 Draughting scale rules (Superseding IS 1482:1985) | Nov 2006 | |
| 116. | IS/ISO 9962-1:1992 | Manually operated draughting machines: Part 1 Definitions classification and designation | Aug 2010 | |
| 117. | IS/ISO 9962-2:1992 | Manually operated draughting machines: Part 2 Characteristics performance, inspection and marking (Superseding IS 2287:1970) | Nov 2006 | |
| 118. | IS/ISO 9962-3:1994 | Manually operated draughting machines : Part 3 dimensions of scale rule check plates | Nov 2006 | |
| 119. | IS 10236(P1):1989 | Procedure for basic climatic and durability tests for optical instruments: Part 1 General | Dec 2010 | |
| 120. | IS 10236(P2):1982 | Procedure for basic climatic and durability test for optical instruments: Part 2 Dry heat test | Dec 2009 | |
| 121. | IS 10236(P3):1982 | Procedure for basic climatic and durability test for optical instruments: Part3 Cold test | Dec 2010 | |
| 122. | IS 10236(P4):1982 | Procedure for basic climatic and durability test for optical instruments Part 4 Damp heat test | Dec 2010 | |
| 123. | IS 10236(P5):1982 | Procedure for basic climatic and durability test for optical instruments: Part 5 Damp heat (cyclic) test | Dec 2010 | |
| 124. | IS 10236(P6):1982 | Procedure for basic climatic and durability test for optical instruments: Part 6 Salt mist test | Dec 2010 | |
| 125. | IS 10236(P7):1983 | Procedure for basic climatic and durability test for optical instruments: Part 7 Mould growth test | Dec 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|-----------------------|--|----------|------------------|
| 126. | IS 10236(PT 8):1983 | Procedure for basic climatic and durability test for optical instruments: Part 8 Thermal shock (rapid change of temperature test | Dec 2010 | |
| 127. | IS 10236(PT 9): 1983 | Procedure for basic climatic and durability test for optical instruments: Part 9 Low air pressure (altitude) test | Dec 2010 | |
| 128. | IS 10236(PT 10): 1985 | Procedure for basic climatic and durability test for optical instruments: Part 10 Bump test | Aug 2010 | |
| 129. | IS 10236(PT 11): 1985 | Procedure for basic climatic and durability test for optical instruments: Part 11 Vibration test | Aug 2010 | |
| 130. | IS 10236(PT 12): 1985 | Procedure for basic climatic and durability test for optical instruments: Part 12 Shock test | Aug 2010 | |
| 131. | IS 10236(PT 13): 1986 | Procedure for basic climatic and durability test for optical instruments: Part 13 Dust test | Aug 2010 | |
| 132. | IS 10236(PT 14): 1986 | Procedure for basic climatic and durability test for optical instruments: Part 14 Driving rain test | Aug 2010 | |
| 133. | IS 10236(PT 15): 1986 | Procedure for basic climatic and durability test for optical instruments: Part 15 Drop test | Sep 2008 | |
| 134. | IS 10236(PT 16): 1988 | Procedure for basic climatic and durability test for optical instruments: Part 16 Solar radiation test | Sep 2008 | |
| 135. | IS 10236(PT 17): 1988 | Procedure for basic climatic and durability test for optical instruments: Part 17 Acceleration (steady state test) | Sep 2008 | |
| 136. | IS 10236(PT 18): 1988 | Procedure for basic climatic and durability test for optical instruments: Part 18 Sealing test | Sep 2008 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|---|--|----------|------------------|
| 137. | IS 10679:1983 | Specification for photoelectric spectrophotometer single beam type | Dec 2009 | |
| 138. | IS 10695:1983 | Specification for pocket stereoscope | Dec 2009 | |
| 139. | IS 10995:1984 | Specification for tuning fork | May 2011 | |
| 140. | IS 10996:1984 | Specification for stop clock with fly back action | May 2011 | 1 |
| 141. | IS/ISO 11145:1994 | Optics and optical instruments – Lasers and laser related equipment – Vocabulary and symbols | May 2011 | |
| 142. | IS 11152:1984 | Specification for laboratory stands (metallic) | May 2011 | |
| 143. | IS 11444:1985 | Specification for grinding and polishing materials for optical components | Aug 2010 | |
| 144. | IS 11445:1985 | Specification for parallax bar | Dec 2010 | |
| 145. | IS 11781:1986 | Specification for stencil templates and pen tips | Aug 2010 | |
| 146. | IS 11961:1986 | Specification for 4-metric leveling staff (telescopic) | Aug 2005 | |
| 147. | IS 12353:1988 | Specification for stencil templates for geometrical figures | Sep 2008 | |
| 148. | IS 12397: 1988 | Specification for metallic dissecting type | May 2011 | |
| 149. | IS 12398:1988 | Specification for multi purpose mercury barometer (For educational use) | May 2011 | |
| 150. | IS 12399:1988 | Specification for tripod stands | Dec 2008 | |
| 151. | IS 12428:2007 / ISO 513: 2004 | Classification and application of hard cutting materials for metal removal with defined cutting edges – Designation of the main groups and groups of application | | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|--|--|----------|------------------|
| 152. | IS 12713:1989 | Optical instruments - Permissible cosmetic defects and inspection of optical components | Dec 2009 | |
| 153. | IS 12874:1989 | Optical and mathematical instruments - telescopic alidade - Specification | Dec 2009 | |
| 154. | IS 12888:1989 | Optical and Mathematical Instruments - Short Range Infrared Distance Measuring Instruments - Specification | Dec 2009 | |
| 155. | IS 13011(P1):1990 /ISO 7943-1:1987 | Photography - Over head projectors: Part 1 Projection stages – Dimensions | Aug 2010 | |
| 156. | IS 13011(P2):1990 /ISO 7943-2:1987 | Photography - Over head projectors: Part 2 Projection stages – Transparencies and transparencies frames | Aug 2010 | |
| 157. | IS 13011(P3): 1990 | Photography - Over head projectors: Part 3 Projection stages – Film rolls cores and windows – Dimensions | Aug 2010 | |
| 158. | IS 13108(P1): 2002 /ISO 8036-1:1998 | Optics and optical instruments – Microscopes: Part 1 Immersion oil for general use in light microscopy (first revision) | Nov 2007 | |
| 159. | IS 13117:1991 /ISO 8040:1986 | Microscopes’ connecting dimensions of tube slides and tube slots | Aug 2010 | |
| 160. | IS 14146:1994 /ISO 9689:1990 | Raw optical glass - Resistance to attack by aqueous alkaline phosphate-containing detergent solutions at 50oC - Testing and classification | Dec 2009 | |
| 161. | IS 14253:1995 | Educational instruments and equipment – Wire gauze for school and laboratory use - Specification | Aug 2010 | |
| 162. | IS 14258:1995 /ISO 8424:1987 | Raw optical glass - testing of the resistance to attack by Aqueous Solutions at 25oC and classification | Dec 2009 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|------------------------------------|---|-----------|------------------|
| 163. | IS 14260:1995 /ISO 9385:1990 | Glass and glass-ceramics - Knoop hardness test | Dec 2009 | |
| 164. | IS 14440:1997 | Drawing Instruments - Tubular tips for hand held technical pens using India ink on tracing paper - Specification | Jan 2008 | |
| 165. | IS 14633:1999 | Black-board for class rooms - Specifications | May 2009 | |
| 166. | IS 14819:2000 /ISO 11670:1999 | Optics and optical instruments - Lasers and Laser – Related equipment - Test Method for laser beam parameters beam positional stability | July 2010 | |
| 167. | IS 14820:2000 /ISO 11146:1999 | Optics and optical instruments - Lasers and Laser related equipment – Test method for laser Beam Parameters: Beam widths, Divergence Angle and Beam Propagation Factor | July 2010 | |
| 168. | IS 14821:2000 /ISO 9022-13:1998 | Optics and optical instruments – Environmental test methods – Combined shock, bump or free fall and dry heat or cold | Jun 2010 | |
| 169. | IS 14822:2000 /ISO 9022-15:1998 | Optics and optical instruments – Environmental test methods – Combined digitally controlled broad-band random vibration and dry heat or cold (Adoption of ISO 9022-15:1998) | Jun 2010 | |
| 170. | IS 14823:2000 /ISO 9022-10:1998 | Optics and optical instruments – Environmental test methods – Combined sinusoidal vibration and dry heat or cold | Jun 2010 | |
| 171. | IS 14859:2000 | Specification for Hindi (Devnagri) stencil – Templates and pen tips | Oct 2010 | |
| 172. | IS 14963:2001 /ISO 11554:1998 | Optics and optical instruments – Laser and laser related equipment Test methods for laser beam power, energy and temporal characteristics | May 2011 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|---|---|----------|------------------|
| 173. | IS 14964:2001 / ISO 12844:1999 | Raw optical glass – Grind ability with diamond pellets – Test methods and classification | May 2011 | |
| 174. | IS 14965:2001 / ISO 12005:1998 | Laser and laser related equipment – Test methods for laser beam parameters – Polarization | May 2011 | |
| 175. | IS 14966:2001 / ISO 9022-16:1998 | Optics and optical instruments – Environmental test methods – Combined bounce or steady - state acceleration and dry heat or cold | May 2011 | |
| 176. | IS 14967:2001 /ISO 9022-21:1998 | Optics and optical instruments – Environmental test methods – Combined Low pressure and ambient temperature or dry heat | May 2011 | |
| 177. | IS 15084:2002 | Spring balance – Tension type (for use in schools) - Specification | May 2007 | |
| 178. | IS 15085:2001 | Decimeter cube vessel (for use in schools) – Specification | Dec 2006 | |
| 179. | IS 15197:2002 | Kerosene heating lamp for use in schools and colleges - Specification | Oct 2007 | |
| 180. | IS 15242:2002 | Magnet (for use in schools and colleges) - Specification | Nov 2007 | |
| 181. | IS 15268(Pt 1): 2002 / ISO 8037-1:1986 | Optics and optical instruments – Microscopes – Slides Part 1 Dimensions, optical properties and marking | Dec 2007 | 1 |
| 182. | IS 15268(Pt 2): 2002 /ISO 8037-2:1997 | Optics and optical instruments – Microscopes – Slides: Part 2 Quality of material, standards of finish and mode of packaging | Dec 2007 | 1 |
| 183. | IS 15269:2002 /ISO 8039:1997 | Optics and optical instruments – Microscopes – Magnification | Feb 2008 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|----------------|---|---|-----------------|-------------------------|
| 184. | IS 15270(Pt 1):2002 /ISO 8255-1:1986 | Optics and optical instruments – Microscopes – Cover glasses: Part 1 Dimensional tolerances thickness and optical properties | Nov 2007 | 1 |
| 185. | IS 15270(Pt 2): 2002 /ISO 8255-2:1997 | Optics and optical instruments – Microscopes – Cover glasses: Part 2 Quality of material, standards of finish and mode of packaging | Nov 2007 | 1 |
| 186. | IS 15483(Pt 1): 2004 /ISO 12858-1:1999 | Optics and optical instruments - Ancillary devices for geodetic instruments - Part 1 Inver levelling staffs | July 2009 | |
| 187. | IS 15483(Pt 2): 2004 /ISO 12858-2:1999 | Optics and optical instruments - Ancillary devices for geodetic instruments - Part 2 Tripods | July 2009 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICAES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

- SCOPE**
- a) Formulation of standards for time measuring, time keeping and time recording devices
 - b) Coordination of work with:
 - i) ISO/TC 114/SC 3 “Water resistant watches”
 - ii) ISO/TC 114/SC 5 “Luminescence”
 - iii) ISO/TC 114/SC 6 “Precious metal covering”
 - iv) ISO/TC 114/SC 11 “Indication of accuracy”
 - v) ISO/TC 114/SC 13 “Watch glasses”

CORRESPONDING ISO COMMITTEE(S):

ISO/TC 114 Horology

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|--------------------|--|----------|-------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 9243(Pt 1):1987 | Method of test for wrist watches – Part 1: Antimagnetic (<i>first revision</i>) | Dec 2006 | |
| 2. | IS 9243(Pt 2):1987 | Method of test for wrist watches – Part 2: Shock resistant (<i>first revision</i>) | Dec2006 | |
| 3. | IS 9243(Pt 3):1987 | Method of test for wrist watches – Part 3: Water resistant (<i>first revision</i>) | Dec 2006 | |
| 4. | IS 9261:1979 | Symbolization of control positions for time-keeping instruments | Dec 2006 | |
| 5. | IS 9263(Pt 1):1979 | Specification for Horological jewels – Part 1: Functional and non-functional jewels (Definition) | Dec 2006 | |
| 6. | IS 9263(Pt 2):1999 | Wrist watches – Horological jewels – Part 2: Types and dimensions (<i>first revision</i>) | Aug 2009 | |
| 7. | IS 9275:1996 | Horology – Radioluminescence for time-keeping instruments- Specifications (first revision) | Dec 2006 | |
| 8. | IS 9641:1980 | Dimensions for lugs for wrist watch case | Dec 2006 | |
| 9. | IS 9642:1980 | Dimensions for case pipe for wrist watch case | Dec 2006 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
 / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|----------------|---|-----------|-------------------|
| 10. | IS 9672:1980 | Dimensions for movements for wrist watches | Dec 2006 | 1 |
| 11. | IS 9673:1980 | Crown for wrist watch case | Dec 2006 | |
| 12. | IS 9783:1981 | Nomenclature of parts for wrist watches | Dec 2006 | 3 |
| 13. | IS 10361:1983 | Classification of wrist watch cases | Feb 2005 | |
| 14. | IS 10362:1982 | Dimensions for threads for back cover and bezel for watch cases | Dec 2006 | |
| 15. | IS 10363:1982 | Dimensions for fixing devices for threaded back covers for watch cases | Dec 2006 | |
| 16. | IS 10364:2001 | Dimensions for snap type back cover and bezel for watch cases (<i>first revision</i>) | June 2006 | |
| 17. | IS 10365:1982 | Dimensions for packing ring and housing for back cover joint for watch cases | Dec 2006 | |
| 18. | IS 10366:1995 | Watch cases – Crystal and dial opening diameters – Dimensions (<i>first revision</i>) | Feb 2005 | |
| 19. | IS 10367:1983 | Dimensions for crystal and dial openings shaped or circular for watch cases | Feb 2005 | |
| 20. | IS 10368:1983 | Dimensions for movement holders for watch cases | Mar 2008 | |
| 21. | IS 10863:1984 | Specification for one day alarm clocks | Mar 2008 | |
| 22. | IS 10865:1998 | Wrist watches – Spring bars for watch cases and strap – Specification (<i>first revision</i>) | Mar 2008 | |
| 23. | IS 11439:1985 | Dimensions for fixing watch hands | Dec 2006 | |
| 24. | IS 11562:1985 | O-rings for wrist watch crowns and push buttons | Dec 2006 | 1 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---|---|-----------|-------------------|
| 25. | IS 11681:1986 /ISO 6426-2:1984 | Techno-commercial definitions of horology – Vocabulary | Dec 2006 | |
| 26. | IS 12114(Pt 1):1987 | Specification for Gold alloy coverings on watch cases and their accessories – Part 1: General requirements | Dec 2006 | |
| 27. | IS 12114(Pt 2):1987 | Specification for Gold alloy coverings on watch cases and their accessories – Part 2: Determination of fineness, thickness and corrosion resistance | Dec 2006 | |
| 28. | IS 12471:1988 | Dimensions for lengths of hands of clocks | Mar 2008 | |
| 29. | IS 12472:1988 | Connection dimensions, fits and dimensions combinations of hands for clock | Mar 2008 | |
| 30. | IS 12477:1988 | Specification for bushing for clock hands | Mar 2008 | |
| 31. | IS 12510:1988 | Specification for wall clocks – battery operated | Mar 2008 | |
| 32. | IS 12745(Pt 1):1988 /ISO 6426-1:1982 | Horological vocabulary – Part 1: Technical and scientific definitions | Feb 2010 | |
| 33. | IS 13130(Pt 1):1991 | Wrist watches and watch movements – Specification – Part 1: Mechanical watches | Dec 2006 | |
| 34. | IS 13130(Pt 2):1991 | Wrist watches and watch movements – Specification – Part 1: Electronic quartz | Dec 2006 | |
| 35. | IS 13718(Pt 1):1993 | Horology – Watch straps – Part 1: Leather straps – Specification | Mar 2009 | |
| 36. | IS 13718(Pt 2):1993 | Horology – Watch straps – Part 2: Stainless steel – Specification | Mar 2009 | |
| 37. | IS 13718(Pt 3):2002 | Horology – Watch straps – Part 3: Solid link strap – Specification | June 2007 | |
| 38. | IS 14338:1996 | Basic and design profile of screw threads for watch bezel and back covers | Apr 2006 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------|--------------------------------------|--|-----------------|--------------------------|
| 39. | IS 14339:1996 | Horology – Watch bezel and back cover gauges – Technical supply conditions – General | Mar 2006 | |
| 40. | IS 14365:1996 | Horology – Gauges for watch bezel and back covers – Dimensions and tolerances | Dec 2006 | |
| 41. | IS 14558:1998 /ISO/DIS 14682:1996 | Horology – Primary batteries – Watch batteries | July 2008 | |
| 42. | IS 14559:1998 /ISO 6425:1996 | Horology – Divers watches | July 2008 | |
| 43. | IS 14560(Pt 1):1998 | Horology – Mineral and sapphire glass for wrist watch cases – Part 1: Dimensions, material and test procedure - Specification | Dec 2008 | |
| 44. | IS 14560(Pt 2):1998 | Horology – Mineral and sapphire glass for wrist watch cases – Part 2: Gasket – dimensions, material and test procedure – Specification | Oct 2008 | |
| 45. | IS 15064:2002 | Plastic movement holder for wrist watch cases - Specification | Jan 2007 | |

DRAFT STANDARDS COMPLETED WIDE CIRCULATION

| | |
|------------------|--|
| Doc: PG 23(1165) | Mineral and sapphire watch-glasses – Part 1 Dimensions and tolerances |
| Doc: PG 23(1166) | Mineral and sapphire watch-glasses – Part 2 Assembly to the case by adhesive or using a gasket |
| Doc: PG 23(1167) | Mineral and sapphire watch-glasses – Part 3 Qualitative criteria and test methods |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

PG 24 DRAWINGS SECTIONAL COMMITTEE

- SCOPE :** a) Formulation of code of practice for general engineering drawings and related standards
b) Co-ordination of work with:
i) ISO/TC 10 Technical product documentation and its subcommittees
ii) ISO/TC 213 Dimensional and geometric product specification and verification

CORRESPONDING ISO COMMITTEES:

- ISO/TC 10 Technical product documentation
- ISO/TC 10/ SC 1 Basic conventions
- ISO/TC 10/ SC 6 Mechanical engineering conventions
- ISO/TC 10/ SC 8 Construction documentation
- ISO/TC 10/SC 10 Technical product documentation (tpd)- symbols
- ISO/TC 213 Dimensional and geometric product specification and verification

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|--|---|-----------|-------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | * SP 46:2003 * | Engineering drawing practice for schools and colleges (<i>first revision</i>) | July 2008 | |
| 2. | IS 7840:1983 /ISO 6414:1982 | Technical drawings for glassware (<i>first revision</i>) | Mar 2009 | 1 |
| 3. | * IS 8000(Pt 1):1985 /ISO 1101:1983 | Geometrical tolerancing on technical drawings Part 1 Tolerances of form, orientation, location and run-out, and appropriate geometrical definitions (<i>first revision</i>) | May 2011 | |
| 4. | * IS 8000(Pt 2):1992 /ISO 2692:1988 | Geometrical tolerancing on technical drawings Part 2 Maximum material principles (<i>first revision</i>) | Mar 2008 | |
| 5. | IS 8000(Pt 3):1992 /ISO 1660:1987 | Technical drawings – Geometrical tolerancing Part 3 Dimensioning and tolerancing of profiles (<i>second revision</i>) | Mar 2008 | |
| 6. | IS 8000(Pt 4):1976 | Geometrical tolerancing on technical drawings Part 4 Practical examples of indications on drawings | May 2011 | 1 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--|--|----------|-------------------|
| 7. | IS 8930(Pt 1):1995 /ISO 10209-1:1992 | Technical product documentation – Vocabulary Part 1 Terms relating to technical drawings : General and types of drawings (<i>first revision</i>) | Mar 2008 | |
| 8. | IS 8930(Pt 2):2001 /ISO 10209-2:1993 | Technical product documentation – Vocabulary – Part 2: Terms relating to projection methods | Dec 2006 | |
| 9. | IS 8930(Pt 4):2006 /ISO 10209-4:1999 | Technical product documentation – Vocabulary – Part 4: Terms relating to construction documentation | | |
| 10. | IS 8976:1978 | Guide for preparation and arrangement of sets of drawings and parts lists | Dec 2006 | |
| 11. | IS 9609 (Pt 0):2001 /ISO 3098-0:1997 | Technical product documentation – Part 0: General requirements | Dec 2006 | |
| 12. | IS 9609(Pt 1):2006 /ISO 3098-2:2000 | Technical product documentation – Lettering – Part 1 Latin alphabet, numeral and marks (<i>second revision</i>) | | |
| 13. | IS 9609(Pt 2):2006 /ISO 3098-3: 2000 | Technical product documentation – Lettering Part 2 Greek alphabet (<i>first revision</i>) | | |
| 14. | IS 9609(Pt 3) :2006 /ISO 3098-4: 2000 | Technical product documentation – Lettering Part 3 Diacritical and particular marks for the Latin alphabet (<i>first revision</i>) | | |
| 15. | IS 9609(Pt 4):2006 /ISO 3098-6: 2000 | Technical product documentation – Lettering Part 4 Cyrillic alphabet (<i>first revision</i>) | | |
| 16. | IS 9609(Pt 5):1998 | Technical product documentation – Part Lettering on technical drawings – Part 5: Amplified devnagri letters | Aug 2008 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---|--|----------|-------------------|
| 17. | IS 9609(Pt 6): 2001 /ISO 3098-5:1997 | Technical product documentation – Lettering – Part 6: CAD lettering of the Latin alphabet, numerals and marks | Nov 2006 | |
| 18. | IS 10164:1985 /ISO 6428-1982 | Requirements to execute technical drawings for microcopying (<i>first revision</i>) | May 2011 | |
| 19. | IS 10711:2001 /ISO 5457:1999 | Technical product documentation - Sizes and layout of drawing sheets (<i>first revision</i>) | Nov 2006 | |
| 20. | IS 10712:1983 /ISO 6433:1981 | Presentation of item references on technical drawings | Mar 2009 | |
| 21. | IS 10713:1983 /ISO 5455:1979 | Scales for use on technical drawings | Mar 2009 | |
| 22. | IS 10714(Pt 1): 2006 /ISO 128-1:2003 | Technical drawings General principles of presentation – Part 1: Introduction and index | | |
| 23. | IS 10714(Pt 20): 2001 /ISO 128-20:1996 | Technical drawings – General principles of presentation – Part 20: Basic conventions for lines | Oct 2006 | |
| 24. | IS 10714(Pt 21):2001 /ISO 128-21:1997 | Technical drawings – General principles of presentation – Part 21: Preparation of lines by CAD systems | Dec 2006 | |
| 25. | IS 10714(Pt 22):2006 /ISO 128-22:1999 | Technical drawings – General principles of presentation – Part 22: Basic conventions and applications for leader lines and reference lines | | |
| 26. | IS 10714(Pt 23):2006 /ISO 128-23:1999 | Technical drawings – General principles of presentation – Part 23: Lines on construction drawings | | |
| 27. | IS 10714(Pt 25):2006 /ISO 128-25:1999 | Technical drawings – General principles of presentation – Part 25: Lines on shipbuilding drawings | | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--|---|----------|-------------------|
| 28. | IS 10714(Pt 30):2006 /ISO 128-30:1999 | Technical drawings – General principles of presentation – Part 30: Basic conventions for views | | |
| 29. | IS 10714(Pt 34):2006 /ISO 128-34:1999 | Technical drawings – General principles of presentation – Part 34: Views on mechanical engineering drawings | | |
| 30. | IS 10714(Pt 40):2006 /ISO 128-40:2001 | Technical drawings – General principles of presentation – Part 40: Basic conventions for cut and sections | | |
| 31. | IS 10714(Pt 44):2006 /ISO 128-44:2001 | Technical drawings – General principles of presentation – Part 44: Sections on mechanical engineering drawings | | |
| 32. | IS 10715(Pt 1): 1999 /ISO 6410-1:1993 | Technical drawings – Screw threads and threaded parts – Part 1 – General conventions (<i>first revision</i>) | Jan 2010 | |
| 33. | IS 10715(Pt 2): 1999 /ISO 6410-2:1993 | Technical drawings – Screw threads and threaded parts – Part 2 – Screw thread inserts | Jan 2010 | |
| 34. | IS 10715(Pt 3): 1999 /ISO 6410-3:1993 | Technical drawings – Screw threads and threaded parts – Part 3 – Simplified representation | Jan 2010 | |
| 35. | IS 10716(Pt 1): 1999 /ISO 2162-1:1993 | Technical product documentation – Springs – Part 1 Simplified representation (<i>first revision</i>) | Jan 2010 | |
| 36. | IS 10716(Pt 2):1999 ISO 2162-2:1993 | Technical product documentation – Springs – Part 2 Presentation of data for cylindrical helical compression springs | Jan 2010 | |
| 37. | IS 10716(Pt 3): 1999 /ISO 2162-3:1993 | Technical product documentation – Springs – Part 3 Vocabulary | Jan 2010 | |
| 38. | IS 10717:1983 /ISO 2203:1973 | Conventional representation of gears on technical drawings | Mar 2009 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--|--|----------|-------------------|
| 39. | IS 10718:1993 /ISO 3040:1990 | Technical drawings – Dimensions and tolerancing of cones (<i>first revision</i>) | Mar 2009 | |
| 40. | * IS 10719:1983 * /ISO 1302:1978 | Method of indicating surface texture on technical drawings | Mar 2009 | |
| 41. | IS 10720:1999 /ISO 5261:1995 | Technical drawings – Simplified representation of bars and profile sections (<i>first revision</i>) | Jan 2010 | |
| 42. | IS 10721:1983 /ISO 5459-1981 | Datum and datum systems for geometrical tolerancing on technical drawings | Mar 2009 | |
| 43. | IS 10722(Pt 1): 1983 /ISO 3952-1-1981 | Graphical symbols for elements of kinematic diagrams, Part 1 | May 2011 | |
| 44. | IS 10722(Pt 2):1983 /ISO 3952-2-1981 | Graphical symbols for elements of kinematic diagrams, Part 2 | Mar 2009 | |
| 45. | IS 10722(Pt 3): 1983 /ISO 3952-3-1979 | Graphical symbols for kinematic diagrams, Part 3 | Mar 2009 | |
| 46. | IS 10722(Pt 4): 1985 /ISO 3952-4-1984 | Graphical symbols for elements of kinematic diagrams, Part 4 | May 2011 | |
| 47. | * IS 10967:1984 | Guide for the preparation of variant drawings | May 2011 | |
| 48. | IS 10968:1984 | Drawing practice for simplified presentation | Mar 2008 | |
| 49. | IS 10990(Pt 1): 1991 /ISO 6412-1:1989 | Technical drawings – Simplified representation of pipelines Part 1 General rules and orthogonal representation (<i>first revision</i>) | Mar 2008 | |
| 50. | IS 10990(Pt 2): 1992 /ISO 6412-2:1989 | Technical drawings – Simplified representation of pipelines Part 2 Isometric projections (<i>first revision</i>) | Mar 2008 | |

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| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--|---|----------|-------------------|
| 51. | IS 10990(Pt 3): 2001 /ISO 6412-3:1993 | Technical drawings – Simplified representation of pipelines – Part 3: Terminal features of ventilation and drainage systems | Aug 2006 | |
| 52. | IS 11154 (Pt 1): 1994 | Nameplates – Dimensions Part 1 Square and rectangular nameplates (<i>first revision</i>) | Jan 2010 | |
| 53. | IS 11154(Pt 2): 1994 | Nameplates – Dimensions Part 2 Circular nameplates (<i>first revision</i>) | Jan 2010 | |
| 54. | IS 11154(Pt 3): 1994 | Nameplates – Dimensions Part 3 Triangular nameplates (<i>first revision</i>) | Jan 2010 | |
| 55. | IS 11154(Pt 4): 1994 | Nameplates – Dimensions Part 4 Elliptical and segmental nameplates (<i>first revision</i>) | Jan 2010 | |
| 56. | IS 11158:1984 /ISO 7083:1983 | Proportions and dimensions of symbols for geometrical tolerancing used in technical drawings | May 2011 | |
| 57. | IS 11663:1986 | Conventional representations of common features and materials on technical drawings | Mar 2009 | |
| 58. | IS 11664:1986 | Folding of drawing prints | Mar 2009 | |
| 59. | IS 11665:1985 /ISO 7200-1984 | Technical drawings – Title block | May 2011 | |
| 60. | IS 11666:1985 /ISO 7573-1983 | Technical drawings – Item lists | May 2011 | |
| 61. | IS 11667:1991 /ISO 406-1987 | Technical drawings – Linear and angular tolerancing – Indication on drawings (<i>first revision</i>) | Mar 2008 | |
| 62. | IS 11668:1985 /ISO 6411-1982 | Technical drawings – Simplified representation of centre holes | May 2011 | |
| 63. | * IS 11669:1986 /ISO 129-1985 | General principles of dimensioning on technical drawings | Mar 2009 | |

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| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--|--|----------|-------------------|
| 64. | IS 11670:1993 | Technical drawings – Abbreviations and symbols for use in technical drawings (<i>first revision</i>) | Mar 2009 | |
| 65. | IS 12160:1987 /ISO 8015-1985 | Technical drawings - Fundamental tolerancing principle | Mar 2009 | |
| 66. | * IS 12461(Pt 2): 1988 | Simplified presentation of technical documents Part 2 Guide for preparation of order drawings for bought-out parts | May 2011 | |
| 67. | IS 13088:1991 /ISO 6413:1988 | Technical drawings – Representation of splines and serrations | Mar 2008 | |
| 68. | IS 13099:2001 /ISO 5458:1998 | Geometrical Product Specification (GPS) – Geometrical tolerancing – Positional tolerancing (<i>first revision</i>) | Dec 2006 | |
| 69. | IS 13637(Pt 1): 1993 /ISO 8826-1:1989 | Technical drawings – Rolling bearings Part 1 General simplified representation | Mar 2009 | |
| 70. | IS 13637(Pt 2): 1999 /ISO 8826-2:1994 | Technical drawings – Rolling bearings Part 2 Detailed simplified representation | Jan 2010 | |
| 71. | IS 13638(Pt 1): 1993 /ISO 9222-1:1989 | Technical drawings – Seals for dynamic application Part 1 General simplified representation | Mar 2009 | |
| 72. | IS 13638(Pt 2): 1993 /ISO 9222-2:1989 | Technical drawings – Seals for dynamic application Part 2 Detailed simplified representation | Mar 2009 | |
| 73. | IS/ISO 13715:1994 | Technical drawings – Corners – Vocabulary and indication on drawings | Jan 2010 | |
| 74. | IS 13847:1993 /ISO 10578:1992 | Technical drawings – Tolerancing of orientation and location – Projected tolerance zone | Mar 2009 | |
| 75. | IS 14412:1996 | Technical drawings – Indication for revision of drawings | Nov 2006 | |

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|---------|--|---|----------|-------------------|
| 76. | IS 14722:1999 /ISO 10135:1994 | Technical drawings – Simplified representation of moulded, cast and forged parts | Jan 2010 | |
| 77. | IS 15021 (Part 1): 2001 /ISO 5456-1:1996 | Technical drawings – Projection methods – Part 1: Synopsis | Dec 2006 | |
| 78. | IS 15021 (Part 2): 2001 /ISO 5456-2:1996 | Technical drawings – Projection methods – Part 2: Orthographic representations | Nov 2006 | |
| 79. | IS 15021 (Part 3): 2001 /ISO 5456-3:1996 | Technical drawings – Projection methods – Part 3: Axonometric representations | Nov 2006 | |
| 80. | IS 15021 (Part 4): 2001 /ISO 5456-4:1996 | Technical drawings – Projection methods – Part 4: Central projections | Dec 2006 | |
| 81. | * IS 15022 (Part 1): 2001 /ISO/IEC 11714-1: 1996 | Design of graphical symbols for use in the technical product documentation of products – Part 1: Basic rules | Dec 2006 | |
| 82. | IS 15023 (Part 1): 2001 /ISO 5845-1:1995 | Technical drawings – Simplified representation of the assembly of parts with fasteners – Part 1: General principles | Nov 2006 | |
| 83. | IS 15023 (Part 2): 2001 /ISO 5845-2:1995 | Technical drawings – Simplified representation of the assembly of parts with fasteners – Part 2: Rivets for aerospace equipment | Aug 2006 | |
| 84. | * IS 15024 (Pt 1):2001 /ISO 11442-1:1993 | Technical product documentation – Handling of computer-based technical information – Part 1: Security requirements | Aug 2006 | |
| 85. | * IS 15024 (Part 2): 2001 /ISO 11442-2:1993 | Technical product documentation – Handling of computer-based technical information – Part 2: Original documentation | Oct 2006 | |

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| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|---|--|----------|-------------------|
| 86. | * IS 15024 (Part 3): 2001 /ISO 11442-3:1993 | Technical product documentation – Handling of computer-based technical information – Part 3: Phases in the product design process | Aug 2006 | |
| 87. | * IS 15024 (Part 4): 2001 /ISO 11442-4:1993 | Technical product documentation – Handling of computer-based technical information – Part 4: Document management and retrieval systems | Aug 2006 | |
| 88. | * IS15025:2001 /ISO/TR 10623: 1991 | Technical product documentation – Requirements for computer-aided design and draughting – Vocabulary | Aug 2006 | |
| 89. | IS 15044:2001 /ISO 10579:1993 | Technical drawings – Dimensioning and tolerancing – Non-rigid parts | Nov 2006 | |
| 90. | IS 15054:2001 /ISO/TR 5460: 1985 | Technical drawings – Geometrical tolerancing – Tolerancing of form, orientation, location and run-out – Verification principles and methods – Guidelines | Nov 2006 | |
| 91. | IS 15093:2002 /ISO 9431:1990 | Construction drawing spaces for drawing and for text and title blocks on drawing sheets | Mar 2007 | |
| 92. | IS 15726:2006 /ISO 13715:2000 | Technical drawings – Edges of undefined shape – Vocabulary and indications. | | |

DRAFT STANDARDS UNDER PRINTING

| | |
|---|--|
| DOC: PG 24 (1086)/ ISO 7200:2004 | Technical product documentation-Data fields in title blocks and document headers (first revision of IS 11665) |
| Doc No.: PG 24(1160)/ ISO 13567-1: 1998 | Technical product documentation – Organization and naming of layers for CAD – Part 1: Overview and principles |
| Doc No. PG 24 (1161)/ ISO 13567-2: 1998 | Technical product documentation – Organization and naming of layers for CAD – Part 2: Concepts, format and codes |
| Doc No. PG 24 (1162)/ ISO 15785:2002 | Technical drawings Symbolic presentation and indication of adhesive, fold and pressed joints |
| Doc No. PG 24 (1163)/ ISO 11442:2006 | Technical Product Documentation – Document management |

DRAFT STANDARDS FINALIZED FOR PRINTING

DOC: PG 24 (0522)/ ISO 128- Technical drawings- General principles of presentation – Part 50: Basic
50:2001 conventions for representing areas on cuts and sections

DRAFT STANDARDS COMPLETED WIDE CIRCULATION

DOC: PG 24 (1126)/ ISO 129- Technical drawings –Indication of dimensions and tolerances – Part 1: General
1:2004 principles(first revision of IS 11669)

DOC: PG 24 (1159)/ ISO 128- Technical drawings – General principles of presentation – Part 24: Lines on
24:1999 mechanical engineering drawings

DOC: PGD 24 (1191)/ ISO Geometrical Product Specifications (GPS) – Geometrical tolerancing –
1101: 2004 Tolerances of form, orientation, location and run-out (second revision IS 8000-1)

DOC: PGD 24 (1192)/ ISO Geometrical Product Specifications (GPS) – Geometrical tolerancing –
2692: 2006 Maximum material requirement (MMR), least material requirement (LMR) and reciprocity requirement (RPR) (second revision IS 8000-2)

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PG 25 ENGINEERING METROLOGY SECTIONAL COMMITTEE

SCOPE: a) Formulation of standards on limits and fits and on gauges for plain and threaded work pieces; precision measuring equipment; surface finish and other allied items.
 b) Co-ordination of work with:
 i) ISO/TC 213 Dimensional and geometrical product – Specification and verification.

CORRESPONDING ISO COMMITTEE(S):
 ISO/TC 213 Dimensional and Geometrical Product – Specification and Verification.

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|----------------------------------|---|-----------------|--------------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 2092:1983 | Specification for plunger type dial gauges <i>(first revision)</i> | June 2008 | 1 |
| 2. | IS 2103:1980 | Specification for engineers squares <i>(second revision)</i> | Jun 2011 | |
| 3. | IS 2220:1990 | Engineering metrology – Steel straightedges – Specification <i>(first revision)</i> | Mar 2010 | |
| 4. | IS 2251:1986 | Specification for plug and ring gauges for self holding tapers <i>(first revision)</i> | Jun 2011 | |
| 5. | IS 2285:2003 /ISO 8512-1:1990 | Engineering metrology – Measuring equipment – Cast iron surface plates – Specification <i>(third revision)</i> | Aug 2008 | |
| 6. | IS 2334:2001 /ISO 1502:1996 | ISO general purpose metric screw threads – Gauges and Gauging <i>(second revision)</i> | Jan 2007 | |
| 7. | IS 2554:1971 | Specification for cast iron angle plates <i>(first revision)</i> | Mar 2010 | 1 |
| 8. | IS 2921:1988 | Specification for vernier height gauges <i>(first revision)</i> | June 2008 | |
| 9. | IS 2949:1992 | Engineering metrology – Plain V-blocks for inspection purposes – Specification <i>(second revision)</i> | Jun 2011 | |

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|---------|--------------------------------|--|-----------|-------------------|
| 10 | IS 2966:1964 | Specification for internal micrometers (<i>first revision</i>) | June 2008 | 1 |
| 11 | IS 2967:1983 | Specification for external micrometer (<i>first revision</i>) | June 2008 | |
| 12. | IS 2984:2003 /ISO 3650:1998 | Slip Gauges – Specification [ISO Title : Geometrical Product Specifications (GPS) – Length Standards : Gauge Blocks] (<i>second revision</i>) | Dec 2008 | |
| 13. | IS 3073:1967 | Assessment of surface roughness | Jun 2011 | 4 |
| 14. | IS 3179:1990 | Engineering metrology – Feeler gauges (<i>second revision</i>) | Mar 2010 | |
| 15. | IS 3455:1971 | Gauging practice for plain work pieces (<i>first revision</i>) | Jun 2011 | 4 |
| 16. | IS 3455(Pt 1): 1985 | Gauging practice for plain workpieces – Part 1: Inspection of plain workpieces with indicating measuring instruments | Mar 2010 | 1 |
| 17. | IS 3485:1983 | Plain and master setting ring gauges (size range from 1 up to and including 315mm) (<i>second revision</i>) | June 2008 | 1 |
| 18. | IS 3510:1990 | Engineering metrology – Toolmaker’s flats – Specification (<i>first revision</i>) | Mar 2010 | |
| 19. | * IS 3512:1966 | Tool maker’s straightedges | June 2008 | 1 |
| 20. | IS 3651(Pt 1): 1982 | Specification for vernier callipers – Part 1: Vernier callipers with least count 0.1mm and 0.05mm (<i>second revision</i>) | Mar 2010 | 2 |
| 21. | IS 3651(Pt 2):1985 | Specification for vernier callipers – Part 2: Vernier callipers with least count 0.02mm | Mar 2010 | |

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|---------|---------------------|---|-----------|-------------------|
| 22. | IS 3651(Pt 3):1988 | Specification for vernier callipers – Part 3: Vernier callipers with least count 0.1mm (measuring range above 1000mm upto and including 4000mm) | June 2008 | |
| 23. | IS 4210:1967 | Strip feeler gauges for electrical purposes | June 2008 | 1 |
| 24. | IS 4211:1993 | Gauges – Thread pitch gauges for ISO metric screw threads (pitch range 0.4 to 6mm) – Specification (<i>first revision</i>) | June 2008 | |
| 25. | IS 4213:1991 | Engineering metrology – Vernier depth gauges upto 300mm – Specification (<i>first revision</i>) | Mar 2010 | 1 |
| 26. | IS 4239:1970 | Specification for mechanical bevel protractors (<i>first revision</i>) | Jun 2008 | 2 |
| 27. | IS 4241:1998 | Engineering metrology – Engineer's parallels – Specification (<i>first revision</i>) | Mar 2010 | |
| 28. | IS 4349:1987 | Cylindrical setting masters (<i>first revision</i>) | June 2008 | |
| 29. | IS 4440:1996 | Engineering metrology – Precision equipment – Slip gauge accessories (<i>first revision</i>) | Jan 2007 | |
| 30. | IS 4492:1968 | Specification for welded V-blocks (diameter range 300 to 2000mm) | June 2008 | 1 |
| 31. | IS 4563:1987 | Specification for block squares (<i>first revision</i>) | June 2008 | |
| 32. | IS 4960:1968 | Specification for universal and elongated type V-blocks | Mar 2010 | |
| 33. | IS 4966(Pt 1): 1968 | Specification for gauges for serrations – Part 1: For gauging external serrations | June 2008 | |
| 34. | IS 4966(Pt 2): 1968 | Specification for gauges for serrations – Part 2: For internal serrations | June 2008 | |

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|---------|---------------------|--|-----------|-------------------|
| 35. | IS 5268(Pt 1): 1991 | Engineering metrology – Straightedges – Part 1: Cast iron straightedges (bow shaped or camel back type and I-section or parallel type) (<i>first revision</i>) | Jun 2011 | 1 |
| 36. | IS 5273:1969 | Specification for radius gauges | Aug 2009 | 2 |
| 37. | IS 5359:1987 | Specification for sine bars (<i>first revision</i>) | June 2008 | |
| 38. | IS 5388:1983 | Specification for hexagonal handles for plain and threaded plug gauges (<i>second revision</i>) | June 2008 | 1 |
| 39. | IS 5440:1969 | Specification for optical flats | Mar 2010 | 1 |
| 40. | IS 5812:1970 | Specification for optical bevel protractors | Jun 2008 | 2 |
| 41. | IS 5939:1970 | Specification for single angle sine tables | Jun 2011 | |
| 42. | IS 5943:1970 | Specification for compound angle sine tables | Jun 2011 | |
| 43. | IS 5979:1981 | Specification for sine centers (<i>first revision</i>) | Jun 2011 | |
| 44. | IS 5980:1978 | Specification for bench centers (<i>first revision</i>) | Mar 2010 | |
| 45. | IS 6137:1983 | Gauging members for plain plug gauges go and no go members (size range from 1 upto and including 40mm) (<i>second revision</i>) | June 2008 | |
| 46. | IS 6150:1971 | Specification for ISO metric screw thread measuring prisms | June 2008 | 1 |
| 47. | IS 6231:1971 | Specification for prismatic angle gauges | June 2008 | |
| 48. | IS 6232:1971 | Specification for cast iron box angle plates | June 2008 | 1 |

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|---------|---------------------|---|-----------|-------------------|
| 49. | IS 6244:1980 | Specification for gauging members for plain plug gauges go and no go members (size range 40 to 100mm) (<i>first revision</i>) | Jun 2011 | 1 |
| 50. | IS 6246:1980 | Specification for gauging members for plain plug gauges go and no go members (size range above 120 upto 250mm) (<i>first revision</i>) | Jun 2011 | 1 |
| 51. | IS 6311:1978 | Specification for ISO metric screw thread measuring cylinders (<i>first revision</i>) | Mar 2010 | 1 |
| 52. | IS 6952:1990 | Engineering metrology – Cylindrical squares – Specification (<i>first revision</i>) | Jun 2011 | |
| 53. | IS 6973:1973 | Specification for precision angle plates | Mar2010 | |
| 54. | IS 6985:1973 | Specification for precision box angle plates | Mar 2010 | |
| 55. | IS 6987:1973 | Specification for steel precision polygons | Mar 2010 | |
| 56. | IS 7014:1973 | Specification for length bars | Mar 2010 | 1 |
| 57. | IS 7018(Pt 1): 1983 | Technical supply conditions for gauges – Part 1: General (<i>first revision</i>) | June 2008 | |
| 58. | IS 7018(Pt 2): 1983 | Technical supply conditions for gauges – Part 2: Assembly and identification of plain plug gauges (size range from 1mm upto and including 250mm) (<i>first revision</i>) | June 2008 | |
| 59. | IS 7018(Pt 3):1983 | Technical supply conditions for gauges – Part 3: Assembly and identification of screw plug gauges for ISO metric screw threads (size range from M1 upto and including M200mm) (<i>first revision</i>) | June 2008 | 1 |

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|---------|----------------------------------|---|-----------|-------------------|
| 60. | IS 7327:2003 /ISO 8512-2:1990 | Engineering metrology – Measuring equipment – Granite surface plates – Specification (<i>second revision</i>) | Aug 2008 | |
| 61. | IS 7599(Pt 1):1975 | General requirements for engineer's comparators with stands – Part 1: Engineer's comparators | Jun 2011 | |
| 62. | IS 7599(Pt 2): 1975 | General requirements for engineer's comparators with stands – Part 2: Comparator stand | Jun 2011 | |
| 63. | IS 7604:1975 | Specification for length bar accessories | Jun 2011 | |
| 64. | IS 7606:1982 | Specification for plain adjustable snap gauges (<i>first revision</i>) | Jun 2011 | |
| 65. | IS 7859:1975 | Gauge allowances and manufacturing tolerances for plain gauges for inside measurements for ISO fit sizes (nominal size upto 500mm) | Jan 2010 | |
| 66. | IS 7876:1975 | Gauge allowances and manufacturing tolerances for plain gauges for outside measurements for ISO fit sizes (nominal size upto 500mm) | Mar 2010 | |
| 67. | IS 8023:1991 | Gauges – Single ended progressive type plate snap gauges (upto 160mm) – Specification (<i>first revision</i>) | Mar 2010 | |
| 68. | IS 8378:1987 | Vocabulary for basic and general terms in dimensional metrology (<i>first revision</i>) | June 2008 | |
| 69. | IS 8823:1978 | Specification for triangular straightedges | Mar 2010 | |
| 70. | IS 8999:2003 /ISO 7-2:2000 | Pipe threads where pressure tight joints are made on threads Part 2 Verification by means of gauges (<i>first revision</i>) | Sep2008 | |
| 71. | IS 9475:1986 | Specification for plug and ring gauges for self release 7/24 tapers (<i>first revision</i>) | Jun 2011 | |

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|---------|----------------------------------|--|-----------|-------------------|
| 72. | IS 9483:1993 | Measuring instruments – Micrometer heads – Specification (<i>first revision</i>) | Mar 2010 | |
| 73. | IS 9529:1980 | Specification for taper plug gauges and taper ring gauges to check taper bore of gauge handles and taper shanks of gauging members | Jun 2011 | |
| 74. | IS 9608:1985 | Specification for gauging members for go and no go screw plug gauges and screw check plug gauges for ISO metric screw threads (size range above M40 upto and including M120) (<i>first revision</i>) | Mar 2010 | |
| 75. | IS 9610:1985 | Specification for go and no go screw ring gauges for ISO metric screw threads (size range from M1 upto and including M100) (<i>first revision</i>) | Mar 2010 | |
| 76. | IS 9631:1983 | Specification for gauging members for go and no go screw plug gauges and screw check plug gauges for ISO metric screw threads (size range from M1 upto and including M40) (<i>first revision</i>) | June 2008 | |
| 77. | IS 10216:1988 /ISO 228-2:1987 | Gauging practice for pipe threads where pressure tight joints are not made on threads (<i>first revision</i>) | Mar 2010 | |
| 78. | IS 10275:1982 | Specification for methods for assessment of circularity error from polar graphs obtained by using stylus type form measuring instrument | Jun 2011 | |
| 79. | IS 10649:1983 | Specification for ring gauges for drill chuck taper arbors of morse taper and Jacob taper type | June 2008 | |

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|---------|---|---|-----------|-------------------|
| 80. | IS 10685:1983 | Specification for gauging members for go and no go screw plug gauges and screw check plug gauges for ISO metric screw threads (size range above M120 upto and including M200) | June 2008 | |
| 81. | IS 11103:1984 | Specification for cylindrical measuring pins (size range from 0.1mm upto and including 20mm) | Mar 2010 | |
| 82. | IS 11498:1985 | Specification for lever type dial gauges | Mar 2010 | |
| 83. | IS 12257(Pt 1): 1987 | Pneumatic measurement – Part 1: General information on principles and methods | Jun 2011 | 1 |
| 84. | IS 12257(Pt 2) :1992 | Pneumatic measurement – Part 2: Design features of instruments working in high pressure range | Jun 2011 | |
| 85. | IS 12257(Pt 3): 1992 | Pneumatic measurement – Part 3: Parameters of instruments working on high pressure | Jun 2011 | |
| 86. | IS 12257(Pt 4): 1992 | Pneumatic measurement – Part 4: General information and examples of application | Jun 2011 | |
| 87. | IS 12257(Pt 5): 1996 | Pneumatic measurement – Part 5: Glossary of terms and definitions | Jan 2007 | |
| 88. | IS 12937:1990 | Engineering metrology – Methods of testing straightness, flatness and perpendicularity | Mar 2010 | 1 |
| 89. | IS 13907:1994 /ISO 7863:1984 | Height setting micrometers and rising blocks – Specification | Mar 2010 | |
| 90. | IS 14271:1995 | Engineering metrology – Dial snap gauges – specification | Mar 2010 | |

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|---------|--|--|----------|-------------------|
| 91. | SP 19:1980 | Guidelines for classification of quality of scraped surfaces | Jun 2011 | |
| 92. | * IS/ISO 10360-2: 1994 | Co-ordinate metrology – Part 2: Performance assessment of coordinate measuring machines | Mar 2005 | |
| 93. | IS 15261:2002 /ISO 3274:1996 | Geometrical product specifications (GPS) – Surface texture – Profile method – Nominal characteristics of contact (stylus) | Dec 2007 | |
| 94. | IS 15262:2002 /ISO 4287:1997 | Geometrical product specification (GPS) – Surface texture: Profile method – Terms, definitions and surface texture | Dec 2007 | |
| 95. | IS 15263:2002 /ISO 4288:1996 | Geometrical product specification (GPS) – Surface texture: Profile method – Rules and procedures for the assessment of surface texture | Oct 2007 | |
| 96. | IS 15264:2002 /ISO 8785:1998 | Geometrical product specification (GPS) – Surface imperfections– Terms, definitions and parameters | Nov 2007 | |
| 97. | IS 15371(Part 1): 2003 /ISO 14253-1:1998 | Geometrical product specifications (GPS) – Inspection by measurement of workpieces and measuring equipment – Part 1: Decision rules for proving conformance of non-conformance with specifications | Aug 2008 | |
| 98. | IS 15371(Part 2): 2007 /ISO/TS 14253-2:1999 | Geometrical product specifications (GPS) – Inspection by measurement of workpieces and measuring equipment – Part 2: Guide to the estimation of uncertainty of measuring equipment and in product verification | | |

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|---------|---|--|----------|-------------------|
| 99. | IS 15371(Part 3): 2007 /ISO/TS 14253-3:2002 | Geometrical product specifications (GPS) – Inspection by measurement of workpieces and measuring equipment – Part 3: Guidelines for achieving agreements on measurement uncertainty statements | | |
| 100. | IS 15372:2003 /ISO 6318:1985 | Measurement of roundness – Terms, definitions and parameters of roundness | Aug 2008 | |
| 101. | IS 15373:2003 /ISO 4291:1985 | Methods for the assessment of departure from roundness – Measurement of variations in radius | Aug 2008 | |
| 102. | IS 15374:2003 /ISO 4292:1985 | Methods for the assessment of departure from roundness – Measurement by two and three point methods | Aug 2008 | |
| 103. | IS 15375:2003 /ISO 11562:1996 | Geometrical product specifications (GPS) – Surface texture: Profile method – Metrological characteristics of phase correct filters | Aug 2008 | |
| 104. | IS 15393 (Pt 1): 2003 /ISO 5725-1:1994 | Accuracy (trueness and precision) of measurement methods and results – Part 1: General principles and definitions | Sep2008 | |
| 105. | IS 15393 (Pt 2): 2003 /ISO 5725-2:1994 | Accuracy (trueness and precision) of measurement methods and results– Part 2: Basic method for the determination of repeatability and reproducibility of a standard measurement method | Oct 2008 | |
| 106. | IS 15393 (Pt 3): 2003 /ISO 5725-3:1994 | Accuracy (trueness and precision) of measurement methods and results – Part 3: Intermediate measures of the precision of a standard measurement | Sep 2008 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--|--|----------|-------------------|
| 107. | IS 15393 (Pt 4): 2003 /ISO 5725-4:1994 | Accuracy (trueness and precision) of measurement methods and results – Part 4: Basic methods for the determination of the trueness of a standard measurement method | Sep 2008 | |
| 108. | IS 15393 (Pt 5): 2003 /ISO 5725-5:1998 | Accuracy (trueness and precision) of measurement methods and results – Part 5: Alternate methods for the determination of the precision of a standard measurement method | Sep 2008 | |
| 109. | IS 15393(Part 6): 2003 /ISO 5725-6:1994 | Accuracy (trueness and precision) of measurement methods and results – Part 6: Use in practice of accuracy values | Oct 2008 | |
| 110. | IS 15421(Part 1):2003 /ISO 13565-1:1996 | Geometrical product specifications (GPS) – Surface texture: Profile method – Surface having stratified functional properties – Part 1: Filtering and general measurement conditions | Dec 2008 | |
| 111. | IS 15421(Part 2):2003 /ISO 13565-2:1996 | Geometrical product specifications (GPS) – Surface texture: Profile method – Surface having stratified functional properties – Part 2: Height characterization using the linear material ratio curve | Dec 2008 | |
| 112. | IS 15421(Part 3):2003 /ISO 13565-3:1998 | Geometrical product specifications (GPS) – Surface texture: Profile method – Surface having stratified functional properties – Part 3 Height characterization using the material probability curve | Dec 2008 | |
| 113. | IS 15422:2003 /ISO 12085:1996 | Geometrical product specifications (GPS) – Surface texture: Profile method – Motif parameters | Dec 2008 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--|--|----------|-------------------|
| 114. | IS 15423(Part 1): 2003 /ISO 5436-1-2000 | Geometrical product specifications (GPS) – Surface texture: Profile method – Measurement standards Part 1: Material measures | Dec 2008 | |
| 115. | IS 15423(Part 2): 2003 /ISO 5436-2-2001 | Geometrical product specifications (GPS) – Surface texture: Profile method – Measurement standards Part 2: Software measurement standards | Nov 2008 | |
| 116. | IS 15635(Part 1):2006 /ISO 10360-1:2000 | Geometrical product specifications (GPS) – Acceptance and re-verification tests for coordinate measuring machines (CMM) Part 1: Vocabulary | Jun 2011 | |
| 117. | IS 15635(Part 2):2006 /ISO 10360-2:2001 | Geometrical product specifications (GPS) – Acceptance and re-verification tests for coordinate measuring machines (CMM): Part 2: CMMs used for measuring size | Jun 2011 | |
| 118. | IS 15635(Part 3):2006 /ISO 10360-3:2000 | Geometrical product specifications (GPS) – Acceptance and re-verification tests for coordinate measuring machines (CMM): Part 3: CMMs with the axis of a rotary table as the fourth axis | Jun 2011 | |
| 119. | IS 15635(Part 4):2006 /ISO 10360-4:2000 | Geometrical product specifications (GPS) – Acceptance and re-verification tests for coordinate measuring machines (CMM): Part 4: CMMs used in scanning measuring mode | Jun 2011 | |
| 120. | IS 15635(Part 5):2006 /ISO 10360-5:2000 | Geometrical product specifications (GPS) – Acceptance and re-verification tests for coordinate measuring machines (CMM): Part 5: CMMs using multiple-stylus probing systems | Jun 2011 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|---------|--|--|----------|-------------------|
| 121. | IS 15635(Part 6):2006 /ISO 10360-6:2001 | Geometrical product specifications (GPS) – Acceptance and re-verification tests for coordinate measuring machines (CMM): Part 6 Estimation of errors in computing Gaussian associated features | | |
| 122. | IS 15759:2007 /ISO 12179:2000 | Geometrical product specifications (GPS) – Surface texture: Profile method – Calibration of contact (stylus) instruments | | |

DRAFT STANDARDS FINALIZED FOR PRINTING

Doc: PG 25(0486) Engineering metrology – Toolmakers Straightedges - Specification
(first revision of IS 3512)

DRAFT AMENDMENT FINALIZED FOR PRINTING

Doc: PG 25(1033) Geometrical product specifications (GPS) – Surface texture: Profile method –
Measurement standards Part 2: Software measurement standards [Amendment
No. 1 to IS 15635(Part 2):2006]

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

PG 26 WEIGHTS AND MEASURES SECTIONAL COMMITTEE

SCOPE: Formulation of standards for weights, measures, weighing and measuring equipments intended to be used in transactions or for industrial production or for protection.

CORRESPONDING ISO COMMITTEES:

Nil

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|----------------------------|-----------------------|--|-----------------|-------------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 1056:2004 | Commercial weights – Specification (third <i>revision</i>) | Oct 2009 | |
| 2. | IS 1057:2004 | Legal metrology – Commercial carret weights – Specification (third <i>revision</i>) | Oct 2009 | |
| 3. | IS 1058:1993 | Legal metrology – Commercial capacity measures – Specification (<i>second revision</i>) | Oct 2008 | |
| 4. | IS 1059:1994 | Legal metrology – Commercial length measures (non flexible) – Specification (<i>first revision</i>) | Oct 2008 | |
| 5. | IS 1160:1993 | Metric dispensing measures – Specification (<i>first rev</i>) | Oct 2008 | |
| 6. | IS 1269(Pt 1): 1997 | Legal metrology – Material measure of length – Part 1: Woven metallic and glass fibre tape measures (<i>second revision</i>) | July 2007 | 1 |
| 7. | IS 1269(Pt 2): 1997 | Legal metrology – Material measure of length – Part 2: Steel tape measure (Superseeds IS 1270: 1965) | July 2007 | 1 |
| 8. | IS 1433:1990 | Beam scales (<i>second revision</i>) | Feb 2006 | |
| 9. | IS 1434:1959 | Counter machines | Feb 2006 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|----------------|---|----------|------------------|
| 10. | IS 1435:1991 | Platform weighing machines – Specification (<i>first revision</i>) | Mar 2008 | |
| 11. | IS 1436:1991 | Weigh bridges – Specification (<i>first revision</i>) | Mar 2008 | |
| 12. | IS 1437:1967 | Automatic weighing machines | Mar 2008 | |
| 13. | IS 1438:1960 | Crane weighing machines | Mar 2008 | |
| 14. | IS 1439:1990 | Steelyards (<i>first revision</i>) | Mar 2008 | |
| 15. | IS 1702:1967 | Spring balances (<i>first revision</i>) | Mar 2008 | |
| 16. | IS 1853:1961 | Self-indicating and semi-self indicating counter type weighing machines | Mar 2008 | 1 |
| 17. | IS 1854:1964 | Person-weighing machines (<i>first revision</i>) | Mar 2008 | 3 |
| 18. | IS 2341:1963 | Large metric capacity calibrating measures (non tilting type) | Feb 2006 | |
| 19. | IS 2383:1963 | Code of practice for calibration of vehicle tanks for petroleum products and other liquid | Feb 2006 | |
| 20. | IS 2489:1963 | Baby weighing machines | Mar 2008 | |
| 21. | IS 2747:1990 | Performance requirements for taximeters (<i>first revision</i>) | Feb 2006 | 1 |
| 22. | IS 2801:1967 | Accuracy requirements for bulk meters used in petroleum trade | Feb 2006 | 1 |
| 23. | IS 3032:1965 | General requirements for testing the accuracy of commercial measuring instruments used in petroleum trade | Feb 2006 | |
| 24. | IS 3033:1965 | Accuracy requirements for dispensing pump used in petroleum trade | Feb 2006 | |
| 25. | IS 3047:1965 | Accuracy requirements for volumetric container filling machines used in petroleum trade | Feb 2006 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|----------------------|---|----------|------------------|
| 26. | IS 3515:1966 | Tapes for use in measurement of oil quantities | Feb 2006 | 1 |
| 27. | IS 3960:1967 | Specification for totalizing weighing machines | Mar 2008 | |
| 28. | IS 4070:1993 | Specification for Wheel weighers | Mar 2008 | |
| 29. | IS 4670:1993 | Legal metrology – Liquor measures – Specification (<i>first revision</i>) | Oct 2008 | |
| 30. | IS 14439(Pt 1): 1997 | Legal metrology – Gas volume meters – Part 1: General requirements | Oct 2007 | 1 |
| 31. | IS 14439(Pt 2): 1998 | Legal metrology – Gas volume meters – Part 2: Diaphragm gas meters | Dec 2008 | 2 |
| 32. | IS 15672:2006 | Flow Measurement of Natural Gas and Fluids by Coriolis Meter | | |
| 33. | IS 15673:2006 | Flow Measurement of Natural Gas by Rotary Piston Meter | | 1 |
| 34. | IS 15674:2006 | Flow Measurement of Natural Gas by Ultrasonic Meter | | 1 |
| 35. | IS 15675:2006 | Flow Measurement of Natural Gas and Fluids by Orifice Plate Meters | | 1 |
| 36. | IS 15676:2006 | Flow Measurement of Natural Gas by Turbine Meters | | 1 |
| 37. | IS 15677:2006 | Metering of Natural Gas – Code of Practice | | 1 |

DRAFT AMENDMENT UNDER WIDE CIRCULATION

Doc: PG 26(1155)

Draft amendment no. 2 to IS 14439(Part 2):1998 Legal metrology – Gas volume meters – Part 2 Diaphragm gas meters

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
 / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

PRELIMINARY DRAFTS CIRCULATED

| | |
|-------------------|---|
| Doc: PG 26(1110)P | Specification for non-automatic weighing instruments Part 1 Terminology and definitions |
| Doc: PG 26(1111)P | Specification for non-automatic weighing instruments Part 2 Metrological and technical requirements |
| Doc: PG 26(1113)P | Specification for automatic gravimetric filling instruments Part 1 Terminology and definitions |
| Doc: PG 26(1114)P | Specification for automatic gravimetric filling instruments Part 2 Metrological and technical requirements |
| Doc: PG 26(1139)P | Specification for automatic rail weigh bridges Part 1 Terminology and definitions |
| Doc: PG 26(1140)P | Specification for automatic rail weigh bridges Part 2 Metrological and technical requirements |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

PG 27 MOUNTAINEERING EQUIPMENT SECTIONAL COMMITTEE

SCOPE: Standardization in the field of mountaineering, skiing, adventure sports and recreational equipment.

CORRESPONDING ISO COMMITTEE(S): NIL

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|----------------------------|-----------------------|--|-----------------|-------------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 8505:1992 | Mountaineering – Glossary of terms <i>(first revision)</i> | Sep 2006 | |
| 2. | IS 8533:1977 | Specification for General purpose carabiners for mountaineering | Sep 2006 | |
| 3. | IS 8648:1987 | Specification for Ice axe for mountaineering <i>(first revision)</i> | Sep 2006 | |
| 4. | IS 8905:1987 | Specification for Rock pitons for mountaineering <i>(first revision)</i> | Sep 2006 | |
| 5. | IS 8906:1987 | Specification for Ice axe-cum-hammer for mountaineering <i>(first revision)</i> | Sep 2006 | |
| 6. | IS 8907:1987 | Specification for Ice pitons for mountaineering <i>(first revision)</i> | Sep 2006 | |
| 7. | IS 8908:1978 | Specification for Snow stakes for mountaineering | Sep 2006 | 1 |
| 8. | IS 9090:1979 | Specification for Tent poles for mountaineering | Sep 2006 | 1 |
| 9. | IS 9091:1987 | Specification for descenders for mountaineering <i>(first revision)</i> | Sep 2006 | |
| 10. | IS 9092:1979 | Specification for tent pins for mountaineering | Sep 2006 | |
| 11. | IS 9248:1987 | Specification for piton hammers for mountaineering <i>(first revision)</i> | Sep 2006 | |
| 12. | IS 9315:1979 | Dimensions for boot/binding interface (Greater than size 36) for alpine skis | Sep 2006 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|--------------------------------|--|-----------|------------------|
| 13. | IS 9317:2001 | Glossary of terms, definitions and measuring conditions for skis | May 2006 | |
| 14. | IS 9331:1979 | Laboratory methods for determination of elastic properties for alpine skis | Sep 2006 | |
| 15. | IS 9397:2001 /ISO 8364:1991 | Alpine skis and bindings – Binding mounting area – Requirements and test methods (<i>first revision</i>) | June 2006 | |
| 16. | IS 9802:1987 | Specification for Adjustable crampons for mountaineering (<i>first revision</i>) | Sep 2006 | |
| 17. | IS 9847:1987 | Specification for Ice hammers for mountaineering (<i>first revision</i>) | Sep 2006 | |
| 18. | IS 10023:1981 | Specification for Ascenders for mountaineering | Sep 2006 | |
| 19. | IS 10220:1987 | Specification for Descenders (type letter “E”) for mountaineering (<i>first revision</i>) | Sep 2006 | |
| 20. | IS 11042 (Pt 1): 1984 | Specification for Binding screws for alpine skis Part 1 General requirements | Feb 2006 | |
| 21. | IS 11042 (Pt 2): 1987 | Specification for Binding screws for alpine skis Part 2 Test methods | Sep 2006 | |
| 22. | IS 11072:1984 | Specification for Ice daggers for mountaineering | Feb 2006 | |
| 23. | IS 11073:1984 | Specification for Expansion bolts for mountaineering | Feb 2006 | |
| 24. | IS 11074:1984 | Specification for Rope ladders for mountaineering | Feb 2006 | |
| 25. | IS 11138:1984 | Specification for Snow dead-boy and dead-man for mountaineering | Feb 2006 | |
| 26. | IS 11144:1984 | Method for determination of deformation load and breaking load on alpine skis | Feb 2006 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|---------|--|--|----------|------------------|
| 27. | IS 11207:1983 | Specification for Helmets for mountaineers | Feb 2006 | |
| 28. | IS 11616:1986 | Specification for Avalanche rods for mountaineering | Sep 2006 | |
| 29. | IS 11854:1986 | Specification for Crampons for mountaineering non-adjustable | Sep 2006 | 1 |
| 30. | IS 12259:2001 /ISO 7331:1990 | Ski-poles for alpine skiing - Safety requirements and test methods (<i>first revision</i>) | Sep 2006 | |
| 31. | IS 14926:2001 | Alpine skis – Guidelines for conducting slope performance tests | Sep 2006 | |
| 32. | IS 15841:2009 /ISO 11634:1996 | Snowboard-boots – Interface with ski-binding | | |
| 33. | IS 15842:2009 /ISO 14573:2002 | Snowboard strap bindings for soft boots – Requirements and test method | | |
| 34. | IS 15843(Part 1):2009 /ISO 10958-1:1998 | Snowboard-Binding mounting area – Part 1: Requirements and test methods for snowboards without inserts | | |

DRAFT STANDARDS UNDER PRINT

| | |
|------------------|---|
| Doc: PG 27(1055) | Snowboards- Binding mounting area--Part 2 : Requirements and test methods for snowboards with inserts |
| Doc: PG 27(1058) | Snowboard plate-bindings without a release mechanism – Requirements and test methods |

DRAFT STANDARDS COMPLETED WIDE CIRCULATION

| | |
|------------------|--|
| Doc: PG 27(1053) | Alpine ski-boots – Requirements and test methods |
|------------------|--|

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

**ARMS AND AMMUNITION FOR CIVILIAN USE
SECTIONAL COMMITTEE**

SCOPE: Preparation of standards for fire arms and ammunition for civilian use besides sporting arms and ammunition.

CORRESPONDING ISO COMMITTEE(S): NIL

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|-----------------------|--|-----------------|--------------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 10490:1983 | Specification for Breech loading shot guns, single and double barrel | Dec 2008 | 1 |
| 2. | IS 10491:1983 | Specification for Muzzle loading shot guns, single and double barrel | Dec 2008 | 1 |
| 3. | IS 10994(Part 1):1984 | Specification for Cartridges for shot guns – Part 1 General requirements | May 2010 | |
| 4. | IS 10994(Part 2):1984 | Specification for Cartridges for shot guns – Part 2 Blank cartridges | May 2010 | |
| 5. | IS 10994(Part 3):1984 | Specification for Cartridges for shot guns – Part 3 Case empty | May 2010 | |
| 6. | IS 10994(Part 4):1985 | Specification for Cartridges for shot guns – Part 4 Cap filled | May 2010 | |
| 7. | IS 10994(Part 5):1985 | Specification for Cartridges for shot guns – Part 5 Anvil | May 2010 | |
| 8. | IS 10994(Part 6):1985 | Specification for Cartridges for shot guns – Part 6 Propellant | May 2010 | |
| 9. | IS 10994(Part 7):1984 | Specification for Cartridges for shot guns – Part 7 Discs | May 2010 | |
| 10. | IS 10994(Part 8):1984 | Specification for Cartridges for shot guns – Part 8 Air cushion | May 2010 | |
| 11. | IS 10994(Part 9):1984 | Specification for Cartridges for shot guns – Part 9 Lead shots | May 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|----------------|-----------------------|---|-----------------|-------------------------|
| 12. | IS 12497(Part 1):1988 | Specification for Plastic cartridges for shot guns Part 1 General requirements | Dec 2008 | |
| 13. | IS 12497(Part 3):1988 | Specification for Plastic cartridges for shot guns Part 3 Plastic body tube | Dec 2008 | |
| 14. | IS 12497(Part 4):1988 | Specification for Plastic cartridges for shot guns Part 4 Plastic base wad | Dec 2008 | |
| 15. | IS 12497(Part 5):1988 | Specification for Plastic cartridges for shot guns Part 5 Plastic power piston | Dec 2008 | |
| 16. | IS 13136:1991 | Arms and ammunition – Rifle – Air rifle spring operated – Specification | Aug 2006 | 1 |
| 17. | IS 13540(Part 1):1992 | Arms and ammunition – 4.5 mm (.177) air rifle and air pistol pellets Part 1 General purpose | Dec 2008 | |
| 18. | IS 13541(Part 1):1993 | Arms and ammunition – 5.5 mm (.22) air rifle and air pistol pellets Part 1 General purpose | Dec 2008 | |
| 19. | IS 14391:1997 | Gas operated rifle (for shooting pellets) – Specification | Sep 2007 | |
| 20. | IS 14422:1997 | Arms and ammunition – Rifle 5.5 mm (0.22”), Bolt operated – Specification | Sep 2007 | |

DRAFT STANDARDS UNDER WIDE CIRCULATION

| | |
|---------------------|-----------------------------------|
| DOC : PG28(1142)W | Amendment No 2 to IS 10490 : 1983 |
| DOC : PG 28 (1143)W | Amendment No 2 to IS 10491 : 1983 |
| DOC : PG 28 (1144)W | Amendment No 2 to IS 13136 : 1991 |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

**PG 31 BOLTS, NUTS AND FASTENERS ACCESSORIES
SECTIONAL COMMITTEE**

- SCOPE:** a) Formulation of standards on terminology for common features of fasten nomenclature, sizes, dimensions, mechanical properties and surface conditions of threaded fasteners and their accessories; all types of fasteners including rivets, pins, nails, clamps, washers, retaining rings and various other types of fasteners.
b) Co-ordination of work with:
i) ISO/TC 2/SC 7 “Fasteners”
ii) ISO/TC 2/SC 10 “Product standards for fasteners”

CORRESPONDING ISO COMMITTEE(S):
ISO/TC 2 Fasteners

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENT |
|----------------------------|-------------------------------|---|-----------------|-------------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 207:1964 | Specification for gate and shutter hooks and eyes (<i>first revision</i>) | Mar 2006 | 2 |
| 2. | IS 451:1999 | Technical supply conditions for wood screws (<i>fourth revision</i>) | Oct 2010 | |
| 3. | IS 549:2005 /ISO 1234:1997 | Specification for split pins (<i>third revision</i>) | Mar 2006 | 4 |
| 4. | IS 723:1972 | Steel countersunk head wire nails (<i>second revision</i>) | Mar 2006 | 3 |
| 5. | IS 724:1964 | Mild steel and brass cup, ruler and square hooks and screw eyes (<i>first revision</i>) | Oct 2010 | 2 |
| 6. | IS 725:1961 | Specification for copper wire nails (<i>revised</i>) | Mar 2006 | |
| 7. | IS 730:1978 | Specification for hook bolts for corrugated sheet roofing (<i>second revision</i>) | Oct 2010 | 3 |
| 8. | IS 866:1957 | Specification for tinmen’s rivets | Mar 2006 | |
| 9. | IS 1120:1975 | Specification for coach screws (<i>first revision</i>) | Mar 2006 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|--------|---------------------------------------|--|----------|-------------------|
| 10. | IS 1363(Pt 1): 2002 /ISO 4016:1999 | Hexagon head bolts, screws and nuts of product grade C – Part 1: Hexagon head bolts (Size ranges M 5 to M 64) <i>(fourth revision)</i> | Dec 2007 | |
| 11. | IS 1363(Pt 2): 2002 /ISO 4018:1999 | Hexagon head bolts, screws and nuts of product grade C – Part 2: Hexagon head screws (Size ranges M 5 to M 64) [<i>fourth revision</i>] | Dec 2007 | |
| 12. | IS 1363(Pt 3): 2002 /ISO 4034:1999 | Hexagon head bolts, screws and nuts of product grade C – Part 3: Hexagon nuts (Size ranges M 5 to M 64) [<i>fourth revision</i>] | Dec 2007 | |
| 13. | IS 1364(Pt 1): 2002 /ISO 4014:1999 | Hexagon head bolts, screws and nuts of product grades A and B – Part 1: Hexagon head bolts (Size range M 1.6 to M 64) <i>[fourth revision]</i> | Nov 2007 | |
| 14. | IS 1364(Pt 2): 2002 /ISO 4017:1999 | Hexagon head bolts, screws and nuts of product grades A and B – Part 2: Hexagon head screws (Size range M 1.6 to M 64) <i>[fourth revision]</i> | Dec 2007 | |
| 15. | IS 1364(Pt 3): 2002 /ISO 4032:1999 | Hexagon head bolts, screws and nuts of product grades A and B – Part 3: Hexagon nuts, Style 1 (Size range M 1.6 to M 64) <i>[fourth revision]</i> | Dec 2007 | |
| 16. | IS 1364(Pt 4): 2003 /ISO 4035:1999 | Hexagon head bolts, screws and nuts of product grades A and B – Part 4: Hexagon thin nuts (chamfered) (Size range M 1.6 to M 64) [<i>fourth revision</i>] | Mar 2008 | |
| 17. | IS 1364(Pt 5): 2002 /ISO 4036:1999 | Hexagon head bolts, screws and nuts of product grades A and B – Part 5: Hexagon thin nuts - Product grade B (unchamfered) (Size range M 1.6 to M 10) <i>[fourth revision]</i> | Dec 2007 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|--------|---|---|----------|-------------------|
| 18. | IS 1364(Pt 6): 2002 /ISO 4033:1999 | Hexagon head bolts, screws and nuts of product grades A and B – Part 6: Hexagon nuts, style 2, product grades A and B (<i>supersede</i> IS/ISO 4033:1979) | Nov 2007 | |
| 19. | IS 1365:2005 /ISO 2009:1994 | Slotted Countersunk Flat Head Screws (Common Head Style) – Product Grade A (<i>fourth revision</i>) | Mar 2006 | 1 |
| 20. | IS 1366: 2002 /ISO 1207: 1992 | Slotted cheese head screws – Product grade A (<i>third revision</i>) | Oct 2007 | |
| 21. | * IS 1367(Pt 1): 2002 /ISO 8992:1986 | Technical supply conditions for threaded steel fasteners – Part 1: General requirements for bolts, screws and studs (<i>third revision</i>) | Dec 2007 | |
| 22. | IS 1367(Pt 2): 2002 /ISO 4759-1:2000 | Technical supply conditions for threaded steel fasteners – Part 2: Tolerances for fasteners – Bolts, screws, studs and nuts - Product grades A, B and C (<i>third revision</i>) | Dec 2007 | |
| 23. | IS 1367(Pt 3): 2002 /ISO 898-1:1999 | Technical supply conditions for threaded steel fasteners – Part 3: Mechanical properties of fasteners made of carbon steel and alloy steel – Bolts, screws and studs [<i>fourth revision</i>] | Dec 2007 | |
| 24. | IS 1367(Pt 5): 2002 /ISO 898-5:1998 | Technical supply conditions for threaded steel fasteners – Part 5: Mechanical properties of fasteners made of carbon steel and alloy steel - Set screws and similar threaded fasteners not under tensile stresses (<i>third revision</i>) | Nov 2007 | 1 |
| 25. | IS 1367(Pt 6): 1994 /ISO 898-2:1992 | Technical supply conditions for threaded steel fasteners – Part 6: Mechanical properties and test methods for nuts with specified proof loads (<i>third revision</i>) | Oct 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|--------|---|--|----------|-------------------|
| 26. | IS 1367(Pt 7): 1980 | Technical supply conditions for threaded steel fasteners – Part 7: Mechanical properties and test methods for nuts without specified proof loads (<i>second revision</i>) | Feb 2008 | 1 |
| 27. | * IS 1367(Pt 8): 2002 /ISO 2320: 1997 | Technical supply conditions for threaded steel fasteners – Part 8: Prevailing torque type steel hexagon nuts - Mechanical and performance properties for (<i>third revision</i>) | Dec 2007 | |
| 28. | IS 1367(Pt 9/Sec 1): 1993 /ISO 6157-1:1988 | Technical supply conditions for threaded steel fasteners – Part 9: Surface discontinuities – Section 1: Bolts, screws and studs for general applications (<i>third revision</i>) | Dec 2008 | 1 |
| 29. | IS 1367(Pt 9/Sec 2): 1993 /ISO 6157-3:1988 | Technical supply conditions for threaded steel fasteners – Part 9: Surface discontinuities – Section 2: Bolts, screws and studs for special applications (<i>third revision</i>) | Dec 2008 | 1 |
| 30. | IS 1367(Pt 10):2002 /ISO 6157-2:1995 | Technical supply conditions for threaded steel fasteners – Part 10: Surface discontinuities - Nuts (<i>third revision</i>) | Dec 2007 | |
| 31. | IS 1367(Pt 11) :2002 /ISO 4042:1999 | Technical supply conditions for threaded steel fasteners – Part 11: Electroplated coatings (<i>third revision</i>) | Dec 2007 | |
| 32. | IS 1367(Pt 12): 1981 | Technical supply conditions for threaded steel fasteners – Part 12: Phosphate coatings on threaded fasteners (<i>second revision</i>) | Feb 2008 | |
| 33. | * IS 1367(Pt 13): 1983 | Technical supply conditions for threaded steel fasteners – Part 13: Hot-dip galvanized coatings on threaded fasteners (<i>second revision</i>) | Mar 2006 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|--------|--|--|----------|-------------------|
| 34. | IS 1367(Pt 14/Sec 1): 2002 /ISO 3506 –1: 1997 | Technical supply conditions for threaded steel fasteners – Part 14: Mechanical properties of corrosion resistance stainless steel fasteners: Section 1 Bolts, screws and studs (<i>third revision</i>) | Nov 2007 | |
| 35. | IS 1367(Pt 14/Sec 2): 2002 /ISO 3506 – 2:1997 | Technical supply conditions for threaded steel fasteners – Part 14: Mechanical properties of corrosion resistance stainless steel fasteners: Section 2 Nuts (<i>third revision</i>) | Dec 2007 | |
| 36. | IS 1367(Pt 14 /Sec 3): 2002 /ISO 3506 – 3:1997 | Technical supply conditions for threaded steel fasteners – Part 14: Mechanical properties of corrosion resistance stainless steel fasteners: Section 3 Set screws and similar fasteners not under tensile stress (<i>third revision</i>) | Dec 2007 | |
| 37. | IS 1367(Pt 16): 2002 /ISO 8991:1986 | Technical supply conditions for threaded steel fasteners – Part 16: Designation system fasteners (<i>third revision</i>) | Nov 2007 | |
| 38. | IS 1367(Pt 17):2005 /ISO 3269:2000 | Technical supply conditions for threaded steel fasteners – Part 17 Inspections, sampling and acceptance procedure (<i>fourth revision</i>) | | |
| 39. | IS 1367(Pt 18): 1996 | Industrial fasteners – Threaded steel fasteners – Technical supply conditions – Mechanical properties – Part 18: Packaging (<i>third revision</i>) | Aug 2006 | |
| 40. | IS 1367(Pt 19): 1996 /ISO 3800:1993 | Industrial fasteners – Threaded steel fasteners – Technical supply conditions – Mechanical properties – Part 19: Axial fatigue testing of bolts, screws and studs | May 2007 | |

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| SL. NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|--------|---|--|----------|-------------------|
| 41. | IS 1367(Pt 20): 1996 /ISO 898-7:1992 | Industrial fasteners – Threaded steel fasteners – Technical supply conditions – Mechanical properties – Part 20 Torsional test and minimum torques for bolts and screws with nominal diameters 1mm to 10mm | Nov 2006 | |
| 42. | IS 1368:2003 /ISO 4753:1999 | Fasteners - Ends of parts with external ISO metric threads (<i>fourth revision</i>) | Jan 2008 | |
| 43. | IS 1369(Pt 1):1993 /ISO 3508:1976 | Fasteners – Thread runout and undercuts – Part 1 Dimensions for screw thread runout for external ISO metric threads (<i>third revision</i>) | Dec 2008 | |
| 44. | IS 1369(Pt 2): 1993 /ISO 4755:1983 | Fasteners – Thread runout and undercuts – Part 2: Dimensions for screw thread undercuts for external ISO metric threads (<i>third revision</i>) | Dec 2008 | |
| 45. | IS 1369(Pt 3): 1995 | Fasteners – Thread runout and undercuts – Part 3: Dimensions for screw thread runout and undercut for internal threads (<i>third revision</i>) | Oct 2010 | |
| 46. | IS 1821:1987 /ISO 273:1979 | Dimensions for clearance holes for bolts and screws (<i>third revision</i>) | Feb 2008 | |
| 47. | * IS 1862:1975 | Specification for studs (<i>second revision</i>) | Mar 2006 | 1 |
| 48. | IS 1928:1961 | Specification for boiler rivets (12 to 48 mm diameter) | Mar 2006 | |
| 49. | IS 1929:1982 | Specification for hot forged steel rivets for hot closing (12 to 36mm diameter) (<i>first revision</i>) | Mar 2006 | 3 |
| 50. | IS 2016:1967 | Specification for plain washers (<i>first revision</i>) | Mar 2006 | 4 |

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| SL. NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|--------|----------------------------------|---|----------|-------------------|
| 51. | IS 2155:1982 | Specification for cold forged solid steel rivets for hot closing (6 to 16mm diameter) (<i>first revision</i>) | Mar 2006 | 1 |
| 52. | * IS 2232:1967 | Specification for slotted and castle nuts (<i>first revision</i>) | Mar 2006 | 3 |
| 53. | IS 2269:2005 /ISO 4762:1997 | Hexagon socket head cap screws (<i>fifth revision</i>) | | |
| 54. | * IS 2393:1980 ISO 2338:1997 | Specification for cylindrical pins (<i>second revision</i>) | Mar 2006 | |
| 55. | IS 2585:2006 | Square head bolts, screws and square nuts of Product Grade C – Specification (<i>second revision</i>) | Mar 2006 | |
| 56. | IS 2609:1972 | Specification for coach bolts (<i>first revision</i>) | Feb 2008 | 3 |
| 57. | IS 2636:1972 | Specification for wing nuts (<i>first revision</i>) | Mar 2006 | |
| 58. | IS 2638:1974 | Specification for flat split cotters (<i>first revision</i>) | Mar 2006 | |
| 59. | IS 2687:1991 | Cap nuts – Specification (<i>second revision</i>) | Oct 2006 | |
| 60. | IS 2907:1998 | Non-ferrous rivets – Specification (<i>first revision</i>) | Oct 2008 | |
| 61. | IS 2998:1982 | Cold forged steel rivets for cold closing (1 to 16mm diameter) (<i>first revision</i>) | Feb 2008 | 3 |
| 62. | IS 3063:1994 | Fasteners – Single coil rectangular section spring lock washers – Specification (<i>second revision</i>) | Oct 2010 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|--------|--------------------------------|---|----------|-------------------|
| 63 | IS 3460:1991 | Knurled nuts – Specification (<i>second revision</i>) | Oct 2006 | |
| 64 | IS 3468:1991 | Pipe nuts – Specification (<i>second revision</i>) | Oct 2006 | |
| 65 | IS 3524(Pt 1):1982 | Specification for threaded taper pins – Part 1: With internal threads (<i>first revision</i>) | Mar 2006 | |
| 66 | IS 3524(Pt 2): 1982 | Specification for threaded taper pins – Part 2: With external threads (<i>first revision</i>) | Mar 2006 | |
| 67 | * IS 3640:1982 | Specification for hexagon fit bolts (<i>first revision</i>) | Mar 2006 | |
| 68 | IS 3726:2003 | Thumb screws – Specification (<i>second revision</i>) | Dec 2008 | |
| 69 | IS 3727:1966 | Specification for wing screws | Mar 2006 | |
| 70 | IS 3757:1985 ISO 7412:1984 | High strength structural bolts (<i>second revision</i>) | Feb 2008 | 2 |
| 71 | IS 3974:1967 | Specification for bifurcated rivets for general purposes | Mar 2006 | |
| 72 | IS 4040:1998 | Fasteners – Solid-drilled tubular and semi-tubular rivets – Specification (<i>first revision</i>) | Oct 2008 | 2 |
| 73 | IS 4172:2005 /ISO 885:2000 | General purpose bolts and screws – metric series – Radii under the head (<i>second revision</i>) | | |
| 74 | IS 4206:1987 /ISO 888:1976 | Dimensions for nominal lengths and thread lengths for bolts, screws and studs (<i>first revision</i>) | Feb 2008 | |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|--------|--------------------------------|---|-----------|-------------------|
| 75 | IS 4499:1968 | Dimensions for depths of holes for studs | Mar 2006 | 1 |
| 76 | IS 4732:1968 | Specification for rivets for shipbuilding | Mar 2006 | |
| 77 | IS 4762: 2002 | Fasteners – Worm drive hose clamps for general purpose (<i>second revision</i>) | July 2007 | |
| 78 | IS 5368:1969 | Specification for thin slotted and castle nuts (dia range 6 to 52mm) | Mar 2006 | 1 |
| 79 | IS 5369:1975 | General requirements for plain washers and lock washers (<i>first revision</i>) | Mar 2006 | |
| 80 | IS 5370:1969 | Specification for plain washers with outside diameter more than three times the inside diameter | Mar 2006 | 1 |
| 81 | IS 5371:1982 | Specification for multi tooth lock washers (<i>first revision</i>) | Mar 2006 | |
| 82 | IS 5372:1975 | Specification for taper washers for channels (ISMC) (<i>first revision</i>) | Mar 2006 | |
| 83 | IS 5373:1969 | Specification for square washers for wood fastenings | Mar 2006 | |
| 84 | IS 5374:1975 | Specification for taper washers for I-beams (ISMB) (<i>first revision</i>) | Mar 2006 | |
| 85 | IS 5554:1991 | Lock washers with lug – Specification (<i>first revision</i>) | Oct 2006 | |
| 86 | IS 5556:1991 | Serrated lock washers – Specification (<i>first revision</i>) | Oct 2006 | |
| 87 | IS 5624:1993 | Foundation bolts – Specification (<i>first revision</i>) | Dec 2008 | |
| 88 | IS 5957:2003 /ISO 1478:1999 | Screw threads for thread forming tapping screws – Dimensions (<i>second revision</i>) | Mar 2008 | |

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| SL. NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|--------|--|---|----------|-------------------|
| 89 | IS 6094(Part 1):2006 /ISO 4026:2003 | Hexagon socket set screws Part 1 With Flat Point (<i>Third revision</i>) | | |
| 90 | IS 6094(Part 2):2006 /ISO 4027:2003 | Hexagon socket set screws Part 2 With Cone Point (<i>Third revision</i>) | | |
| 91 | IS 6094(Part 3):2006 /ISO 4028:2003 | Hexagon socket set screws Part 3 With Dog Point (<i>Third revision</i>) | | |
| 92 | IS 6094(Part 4):2006 /ISO 4029:2003 | Hexagon socket set screws Part 3 With Cup Point (<i>Third revision</i>) | | |
| 93 | IS 6101:2005 ISO 1580:1994 | Slotted pan head screws - Product Grade A (<i>first revision</i>) | Oct 2010 | |
| 94 | IS 6113:1970 | Specification for aluminum fasteners for building purposes | Mar 2006 | |
| 95 | IS 6610:1972 | Specification for heavy washers for steel structures | Mar 2006 | |
| 96 | IS 6623:2004 | High strength structural nuts - Specification (<i>second revision</i>) | Oct 2010 | |
| 97 | IS 6639:2005 | Hexagon Head Bolts for General Steel Structures – Specification (<i>first revision</i>) | Nov 2005 | |
| 98 | IS 6649:1985 ISO 7415:1984 | Specification for hardened and tempered washers for high strength structural bolts and nuts (<i>first revision</i>) | Oct 2010 | 1 |
| 99 | IS 6688:2005 /ISO 2339:1986 | Taper pins unhardened (<i>second revision</i>) | | |
| 100 | IS 6689:2003 /ISO 8734:1997 | Parallel pins of hardened steel and martensitic stainless steel (Dowel pins) (<i>first revision</i>) | Jan 2008 | |
| 101 | IS 6730:1972 | Specification for felt nails | Mar 2006 | |
| 102 | IS 6732:1972 | Specification for double point nails | Mar 2006 | |

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| SL. NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|--------|--------------------------------|---|----------|-------------------|
| 103 | IS 6733:1972 | Specification for wall and roofing nails | Mar 2006 | 1 |
| 104 | IS 6734:1972 | Specification for cut lath and lath nails | Mar 2006 | |
| 105 | IS 6735:1994 | Fasteners – Spring lock washers for screws with cylindrical head – Specification (<i>first revision</i>) | Oct 2010 | 1 |
| 106 | IS 6736:1972 | Specification for slotted raised countersunk head wood screws | Oct 2010 | 2 |
| 107 | IS 6738:1972 | Specification for panel pins and lost head nails | Mar 2006 | 1 |
| 108 | IS 6739:1972 | Specification for slotted round head wood screws | Oct 2010 | 2 |
| 109 | IS 6755:1980 | Double coil helical spring washers (<i>first revision</i>) | Mar 2006 | |
| 110 | IS 6760:1972 | Specification for slotted countersunk head wood screws | Oct 2010 | 2 |
| 111 | * IS 6761:1994 | Fasteners – Countersunk head screws with hexagon socket – Specification (<i>first revision</i>) | Oct 2010 | |
| 112 | * IS 6821:1973 | Methods for sampling non-threaded fasteners | Mar 2006 | 1 |
| 113 | IS 6862:2005 ISO 2340:1986 | Clevis pins without head (<i>first revision</i>) | | |
| 114 | IS 6863:2005 /ISO 2341:1986 | Clevis pins with head (second revision) | Oct 2010 | |
| 115 | IS 7002:2005 /ISO 7040:1997 | Prevailing torque type hexagon nuts (with non-metallic inserts) style 1 Property classes 5, 8 and 10 – Specification (<i>second revision</i>) | Oct 2010 | |

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| SL. NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|--------|----------------------------------|---|----------|-------------------|
| 104. | IS 7169:1989 /ISO 1483:1983 | Slotted raised countersunk (oval) head tapping screws (common head style) (<i>first revision</i>) | Oct 2010 | |
| 105. | IS 7170:1989 /ISO 1482:1983 | Slotted countersunk (flat) head tapping screws (common head style) (<i>first revision</i>) | Oct 2010 | |
| 106. | IS 7173:1989 /ISO 1481:1983 | Slotted pan head tapping screws (<i>first revision</i>) | Oct 2010 | |
| 107. | IS 7178:2002 /ISO 2702:1992 | Heat treated tapping screws – Mechanical properties (<i>third revision</i>) | Dec 2007 | |
| 108. | IS 7368:2005 ISO 8744:1997 | Grooved pins – Full length taper grooved (<i>first revision</i>) | Oct 2010 | |
| 109. | IS 7383:2005 /ISO 8742:1997 | Grooved pins – One-third length centre grooved (<i>second revision</i>) | Oct 2010 | |
| 110. | IS 7384:2005 /ISO 8739:1986 | Grooved pins – Full length parallel grooved, with pilot (<i>second revision</i>) | Oct 2010 | |
| 111. | IS 7385:2005 /ISO 8745:1986 | Grooved pins – Half length taper grooved (<i>second revision</i>) | Oct 2010 | |
| 112. | IS 7386:1990 /ISO 8741:1986 | Grooved pins – Half length reverse taper grooved (<i>first revision</i>) | Mar 2006 | 1 |
| 113. | * IS 7478:1985 ISO 4757:1983 | Dimensions for cross recesses (<i>first revision</i>) | Mar 2006 | |
| 114. | * IS 7479:1985 ISO 4757:1983 | Specification for recess penetration gauges (<i>first revision</i>) | Mar 2006 | |
| 115. | IS 7483:2005 /ISO 7045:1994 | Pan head screws with type H or Z cross recess – Product grade A (<i>second revision</i>) | Oct 2010 | |

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| SL. NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|--------|---|---|----------|-------------------|
| 116. | IS 7485 (Part 1):2005 /ISO 7046-1 :1994 | Countersunk flat head screws (Common Head style) with type H or type Z cross recess – Product Grade A – Part 1 Steel of property class 4.8 (<i>second revision</i>) | Oct 2010 | |
| 117. | IS 7485 (Part 2):2005 /ISO 7046-2 : 1990 | Countersunk flat head screws (Common head style) with type H or type Z cross recess _ Product Grade A – Part 2 Steel of property class 8.8, stainless steel and non ferrous metals (<i>second revision</i>) | Oct 2010 | |
| 118. | IS 7486:2005 /ISO 7047:1994 | Countersunk raised head screws (Common Head style) with Type H or Type Z – Cross recess – Product Grade A (<i>second revision</i>) | Oct 2010 | |
| 119. | IS 7519:1974 | Specification for Hammer drive screws | Mar 2006 | 1 |
| 120. | IS 7790:1991 | Domed cap nuts – Specification (<i>first revision</i>) | Oct 2006 | |
| 121. | IS 7800:1990 | Thread cutting tapping screw – Screw threads and ends – Dimensions (<i>first revision</i>) | Mar 2006 | |
| 122. | IS 8033:1976 | Specification for washers with square hole for wood fastenings | Mar 2006 | 1 |
| 123. | IS 8068:1976 | Specification for tab washers | Mar 2006 | |
| 124. | IS 8070:1991 | Screws – Slotted capstan (tommy bolts) – Specification (<i>first revision</i>) | Oct 2010 | |
| 125. | * IS 8217:1976 | Dimensions of pipe thread runouts and undercuts | Mar 2006 | |
| 126. | IS 8351:1977 | Specification for spiral pins (heavy duty type) | Mar 2006 | |
| 127. | IS 8352:1977 | Specification for flat countersunk square neck bolts | Mar 2006 | |

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| SL. NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|--------|--------------------------------|---|----------|-------------------|
| 128. | IS 8353:1977 | Specification for flat countersunk nib bolts | Mar 2006 | |
| 129. | IS 8379:1977 | Specification for spiral pins (medium duty type) | Mar 2006 | |
| 130. | * IS 8412:1977 | Specification for slotted countersunk head bolts for steel structures | Mar 2006 | |
| 131. | IS 8535:1987 /ISO 1891:1979 | Bolts, screws, nuts and accessories – Terminology and nomenclature (<i>first revision</i>) | Feb 2008 | |
| 132. | IS 8536:1987 /ISO 225:1983 | Fasteners – Bolts, screws, studs and nuts – Symbols and designation of dimensions (<i>first revision</i>) | Feb 2008 | |
| 133. | IS 8721:1978 | Specification for fish bolts (cup oval neck bolts) for collieries | Mar 2006 | |
| 134. | IS 8722:1978 | Specification for fish bolt with square head for collieries | Mar 2006 | |
| 135. | IS 8822:1978 | Specification for slotted mushroom head roofing bolts | Mar 2006 | |
| 136. | IS 8856:1991 | Hexagon weld nuts – Specification (<i>first revision</i>) | Feb 2008 | |
| 137. | IS 8869:1978 | Specification for washers for corrugated sheet roofing | Mar 2006 | |
| 138. | IS 8911:2005 /ISO 2010:1994 | Countersunk slotted raised head screws (common head style) – Product Grade A (<i>first revision</i>) | Oct 2010 | |
| 139. | IS 9519 :2005 /ISO 272:1982 | Fasteners – Hexagon products – Width across flats (<i>first revision</i>) | Oct 2010 | |
| 140. | * IS 9549:1980 | Dimensions for split pin holes, wire holes and head slots for bolts | Feb 2008 | |

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|--------|----------------------------------|--|----------|-------------------|
| 141. | IS 10102:1982 | Technical supply conditions for rivets | Oct 2010 | 1 |
| 142. | IS 10238:2001 | Fasteners – Threaded steel fasteners step bolts for steel structures - Specification | Jun 2006 | |
| 143. | IS 10248:1982 | Specification for cylindrical pins with internal thread | Mar 2006 | |
| 144. | IS 11362:1985 /ISO 7721:1983 | Head configuration and gauging of countersunk head screws | Mar 2006 | |
| 145. | IS 12427:2001 | Fasteners – Threaded steel fasteners – Hexagon head transmission tower bolts – Specification (<i>first revision</i>) | Dec 2006 | |
| 146. | IS 12952:2005 /ISO 8740:1997 | Grooved pins – Full length parallel grooved with chamfer (<i>first revision</i>) | Oct 2010 | |
| 147. | IS 12982:1991 /ISO 8749:1986 | Pins and grooved pins – Shear test | Mar 2006 | |
| 148. | IS 13096:2000 /ISO 898-6:1994 | Fasteners – Hexagon nuts with specified proof load values – Fine pitch threads – Mechanical properties (<i>first revision</i>) | Oct 2010 | |
| 149. | IS 13722:2002 /ISO 8673:1999 | Hexagon nuts, style 1 with metric fine pitch threads – Product grades A and B (<i>first revision</i>) | Nov 2007 | |
| 150. | IS 13723:2002 /ISO 8674:1999 | Hexagon nuts, style 2 with metric fine pitch threads – Product grades A and B (<i>first revision</i>) | Nov 2007 | |
| 151. | IS 13724:2002 /ISO 8675:1999 | Hexagon thin nuts (chamfered) with metric fine pitch threads – Product grades A and B (<i>first revision</i>) | Nov 2007 | |
| 152. | IS 13725:2002 /ISO 8676:1999 | Hexagon head screws with metric fine pitch threads – Product grades A and B (<i>first revision</i>) | Dec 2007 | |

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| SL. NO | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|--------|-------------------------------------|---|----------|-------------------|
| 153. | IS 13726:2002 /ISO 8765:1999 | Hexagon head bolts with metric fine pitch threads – Product grades A and B (<i>first revision</i>) | Dec 2007 | |
| 154. | IS 14394:1996 | Industrial fasteners – Hexagon nuts of product grade C – Hot-dip galvanized – Specification (Size range M 12 to M 36) | Oct 2006 | |
| 155. | IS 14894:2001 ISO 4015:1979 | Fasteners – Hexagon head bolts of product grade B – Reduced shank (Shank diameter ≈ Pitch diameter) - Specification | Mar 2006 | |
| 156. | IS 15274:2003 /ISO 4759-3:2000 | Tolerances for fasteners – Plain washers for bolts, screws and nuts – Product grades A and C | Feb 2008 | |
| 157. | IS 15568:2005 /ISO 10485: 1991 | Cone proof load test on nuts | Oct 2010 | |
| 158. | IS 15569:2005 /ISO 10484: 1997 | Widening test on nuts | Oct 2010 | |
| 159. | IS 15581 :2005 /ISO 4161 : 1999 | Hexagon Nuts with Flange – Coarse Thread | Oct 2010 | |
| 160. | IS 15582 :2005 /ISO 4162 :1990 | Hexagon Flange Bolts – Small Series | Oct 2010 | |
| 161. | IS 15628 : 2005 /ISO 4766 : 1983 | Slotted set screws with flat point | Oct 2010 | |
| 162. | IS 15629 : 2005 /ISO 7434 : 1983 | Slotted screws with cone point | Oct 2010 | |
| 163. | IS 15630 : 2005 /ISO 7435 : 1983 | Slotted set screws with long dog point | Oct 2010 | |
| 164. | IS 15631 : 2005 /ISO 7436 : 1983 | Slotted set screws with cup point | Oct 2010 | |
| 165. | IS 15705:2006 / ISO 23429:2004 | Gauging of hexagon socket | | |

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DRAFT STANDARDS UNDER PRINT

Doc: PG 31(1045)
/ISO 2338:1997

Parallel pins, of unhardened steel and austenitic stainless steel
(Revision of IS 2393:1980)

PG 31 (1050)
/ISO 4757:1983

Cross recesses for screws (Revision of IS 7478:1985)

PG 31 (1051)
/ISO 8733:1997

Parallel pins with internal thread, of unhardened steel and austenitic
stainless steel (Revision of IS 10248:1982)

PG 31 (1052)
/ISO 8735:1997

Parallel pins with internal thread, of unhardened steel and martensitic
stainless steel (Revision of IS 10248:1982)

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PG 32 CUTTING TOOLS SECTIONAL COMMITTEE

- SCOPE:** a) Standardization in the field of twist drills, reamers, countersink and counterbore, drills, screwing taps, dies and other threading tools.
- b) Liaison with
- i) ISO/TC 29/SC 2 Drills, reamers, milling cutters and milling machines accessories as applicable to PG 10

CORRESPONDING ISO COMMITTEES:

ISO/TC 29/SC 2 Drills, Reamers, Milling Cutters and Milling Machines Accessories

- SCOPE:** a) Standardization in the field of milling cutters, milling machine arbors and accessories saw and saw blades, gear cutting tools, broaches and their holding devices
- b) Liaison with:
- i) ISO/TC 29/SC 2 Drills, reamers, milling cutters and milling machines accessories as applicable to PG 11

- SCOPE:** a) Standardization in the field of single point tools, carbide tips, indexable (Throwaway) inserts, tool shanks, tool blanks and hard metal burrs.
- b) Liaison with:
- i) ISO/TC29/SC 9 Tools with cutting edge made of hand cutting materials

| SL. NO. | IS NO./DOC NO. | TITLE | REAFFIRM | NO. OF AMENDMENTS |
|----------------------------|--------------------------------|---|----------|-------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | IS 1715:2002 | Dimensions for self holding taper (third revision) | Oct 2008 | |
| 2. | IS 1830:1982 /ISO 3855:1977 | Technical supply conditions for milling cutters (second revision) | Oct 2008 | 2 |
| 3. | IS 1850:1961 | Dimensions for shank diameters and driving squares for rotating tools | Oct 2008 | 1 |
| 4. | IS 1983:2004 /ISO 241:1994 | Shank sections for single point turning and planing tools (second revision) | Jan 2010 | |
| 5. | IS 2340:1972 | Dimensions for self-release 7/24 tapers for milling arbors and tool shanks (first revision) | Mar 2011 | 2 |
| 6. | IS 2428:2007 /ISO 513:2004 | Classification and application of hard cutting materials for material removal with defined cutting edges – Designation of the main groups and groups of application (second revision) | | |
| 7. | IS 2594:2003 | Hacksaw blades (second revision) | Oct 2008 | |
| 8. | IS 2668:2004 /ISO 3337:2000 | T-slot cutters with cylindrical shanks and with Morse taper shanks having tapped hole (second revision) | Jan 2010 | |

| | | | | | |
|-----|---|---|---|----------|---|
| 9. | * | IS 2669:1971 | Woodruff key slot milling cutters with parallel shank (<i>first revision</i>) | Oct 2008 | 1 |
| 10. | | IS 2670:1991 | Thread milling cutters Shell type - Specification (<i>first revision</i>) | Oct 2008 | |
| 11. | | IS 2671:1964 | Specification for Interlocked milling cutters | Oct 2008 | |
| 12. | | IS 3019:1973 | Specification for single point turning tools (<i>first revision</i>) | Oct 2008 | 3 |
| 13. | | IS 3239:1994 | Die stock for circular screwing dies- Specification (<i>second revision</i>) | Oct 2008 | |
| 14. | | IS 4022:1996 /ISO 883:1985 | Indexable hardmetal (Carbide) inserts with rounded corners, without fixing hole – Dimensions (<i>second revision</i>) | Mar 2011 | |
| 15. | | IS 4914:1983 | Specification for tap wrenches, adjustable (<i>first revision</i>) | Oct 2008 | 4 |
| 16. | | IS 4921:1968 | Specification for Extension bars | Oct 2008 | |
| 17. | | IS 5030(Part 1): 1982 ISO 4875-1:1978 | Specification for Metal cutting band saw blades – Part 1: Definition and terminology (<i>first revision</i>) | Oct 2008 | |
| 18. | | IS 5030(Part 2): 1982 ISO 4875-2:1978 | Specification for Metal cutting band saw blades – Part 2: Tolerance (<i>first revision</i>) | Oct 2008 | |
| 19. | | IS 5030(Part 3): 2005 | Specification for Metal cutting band saw blades – Part 3 Dimensions and other requirements (<i>second revision</i>) | Mar 2011 | |
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| 22. | | IS 5100:1969 | Specification for Twist drills, parallel shanks, stub series for right hand cutting | Oct 2008 | 2 |
| 23. | | IS 5101:1991 | Twist drills, parallel shank, jobber series – Specification (<i>first revision</i>) | Oct 2008 | |
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| 25. | | IS 5103:1969 | Specification for Twist drills, morse taper shank | Oct 2008 | 3 |
| 26. | | IS 5104:1969 | Specification for Twist drills, oversize morse taper shank | Oct 2008 | 4 |
| 27. | | IS 5105:1969 | Specification for Twist drills, taper square shanks for ratchet braces | Oct 2008 | 1 |
| 28. | | IS 5106:1969 | Specification for Twist drills, taper square shanks for carpenter’s braces | Oct 2008 | 1 |
| 29. | | IS 5360:1969 | Dimensions for driving tenon | Oct 2008 | |
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| 31. | * | IS 5363:1983 | Specification for Micro drills (<i>first revision</i>) | Oct 2008 | |
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| 38. | | IS 5446:1978 | Specification for Machine chucking reamers with parallel shanks (<i>first revision</i>) | Oct 2008 | 4 |
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| 40. | | IS 5568:1978 | Dimensions for tenons and cross slots for tools with bore taper 1:30 (<i>first revision</i>) | Oct 2008 | 1 |
| 41. | | IS 5693:1988 | Specification for Countersinks 90 deg with parallel shanks and solid pilots (<i>first revision</i>) | Oct 2008 | 1 |
| 42. | | IS 5698:1970 | Specification for Rotary form relieved gear cutters for spur and helical gears | Oct 2008 | 3 |
| 43. | | IS 5702:1970 | Specification for Flat thread rolling dies | Oct 2008 | |
| 44. | | IS 5703:1988 | Specification for Countersinks 90 deg with morse taper shanks and detachable pilot (<i>first revision</i>) | Oct 2008 | |
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| 49. | | IS 5882:1970 | Specification for Socket reamers with parallel shanks | Oct 2008 | 2 |
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| 52. | IS 5919:1978 | Specification for Machine bridge reamers (<i>first revision</i>) | Oct 2008 | 3 |
| 53. | IS 5926:1970 | Specification for Shell reamers | Oct 2008 | 2 |
| 54. | IS 5927:1981 | Specification for Reduction sleeves 7/24 taper to morse taper (<i>first revision</i>) | Oct 2008 | |
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| 58. | IS 6173(Part 1): 1992 | Screwing taps – Dimensions and tolerances on threaded portion – Part 1: For ISO metric screw threads (Superseding IS 9169:1979) | Oct 2008 | 1 |
| 59. | IS 6173(Part 2): 1992 | Screwing taps – Dimensions and tolerances on threaded portion – Part 2: For pipe threads G, Rp and Rc series | Oct 2008 | 1 |
| 60. | IS 6175(Part 1): 1992 ISO 529:1975 | Screwing taps – Part 1: Hand and short machine screwing taps for ISO metric screw threads sizes M1 to M2.5 – Specification (<i>second revision</i>) | Oct 2008 | 1 |
| 61. | IS 6175(Part 2): 1992 ISO 529:1975 | Screwing taps – Part 2: Hand and short machine screwing taps for ISO metric screw threads sizes M3 to M10 – Specification (<i>second revision</i>) | Oct 2008 | 1 |
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| 64. | IS 6175(Part 5): 1991 ISO 2283:1972 | Screwing taps – Part 5: Nut screwing taps for ISO metric screw threads sizes M3 to M68 with coarse pitches – Specification (Superseding IS 6174:1971) | Oct 2008 | 1 |
| 65. | IS 6175(Part 6): 1992 ISO 2284:1987 | Screwing taps – Part 6: Screwing taps for pipe threads parallel G series – Specification (Superseding IS 6172:1972) | Oct 2008 | 1 |

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| 66. | IS 6175(Part 7): 1992 ISO 2284:1987 | Screwing taps – Part 7: Screwing taps for pipe threads parallel Rp series – Specification (Superseding IS 6172:1972) | Oct 2008 | 1 |
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| 72. | IS 6308:1982 | Specification for Side and face milling cutters (first revision) | Oct 2008 | |
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| 75. | IS 6314:1982 | Specification for Single corner rounding milling cutters (first revision) | Oct 2008 | |
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| 79. | IS 6325:1971 | Specification for Double angle milling cutters | Oct 2008 | |
| 80. | IS 6326:1996 | Equal angle milling cutters – Specification (first revision) | Oct 2008 | |
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| 82. | IS 6353:1991 | End mills with parallel shanks – Specification (first revision) | Oct 2008 | 2 |
| 83. | IS 6354:1991 | End mills with Morse taper shanks – Specification (first revision) | Oct 2008 | |
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| 101. | IS 7778(Part 4) : 2003 | Small tools sampling inspection procedures Part 4 Screwing taps, dies and knurling tools (<i>first revision</i>) | Oct 2008 | |
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| 108. | IS 7778(Part 11): 2003 | Small tools sampling inspection procedures Part 11 Hard metal burrs(<i>first revision</i>) | Oct 2008 | |
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| 112. | IS 8306:1976 | Specification for Carbide tipped twist drills, morse taper shanks | Oct 2008 | 1 |
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| 116. | * IS 8614:1993 | Milling arbors with self-release 7/24 taper - Specification (first revision) | Oct 2008 | |
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| 173. | IS 11936:1987 | Specification for Carbide tipped long fluted machine reamer with morse taper shank | Oct 2008 | 1 |
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| 183. | IS 11943(Part 8): 1987 | Specification for Hard metal burrs – Part 8: Flame burrs (Type H) | Oct 2008 |
| 184. | IS 11943(Part 9): 1987 | Specification for Hard metal burrs – Part 9: 60 and 90 deg. cone burrs (Type J & K) | Oct 2008 |
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| 201. | IS 12688:1989 | Small tools – Subland twist drills with morse taper shanks for clearance holes and countersinks for countersunk head screws - Specification | Oct 2008 | 1 |
| 202. | IS 12689:1989 | Small tools – Subland twist drills with parallel shanks for clearance holes and counterbores for slotted cheese head screw - Specification | Oct 2008 | 1 |
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| 211. | IS 13740:1993 | Carbide tipped single point tools – Technical supply conditions | Oct 2008 | 2 |
| 212. | IS 13741(Part 1): 1993 | Carbide tips – Part 1: Carbide tips for single point tools – Specification (superceding IS 2162: 1979) | Oct 2008 | |
| 213. | IS 13741(Part 2): 1993 | Carbide tips – Part 2: Carbide tips for single point tools for light cutting | Oct 2008 | |

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| 220. | IS 13742(Part 2): 1993 | Carbide tipped single point tools – ISO series – Part 2: Cranked turning and facing tool (ISO 2) – Specification (superceding IS 2163: 1976) | Oct 2008 | 1 |
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| 222. | IS 13742(Part 4): 1993 | Carbide tipped single point tools – ISO series – Part 4: Broad turning tool (ISO 4) – Specification (superceding IS 2163: 1976) | Oct 2008 | |
| 223. | IS 13742(Part 5): 1993 | Carbide tipped single point tools – ISO series – Part 5: Cranked facing tool (ISO 5) – Specification (superceding IS 2163: 1976) | Oct 2008 | |
| 224. | IS 13742(Part 6): 1993 | Carbide tipped single point tools – ISO series – Part 6: Cranked turning tool (ISO 6) – Specification (superceding IS 2163: 1976) | Oct 2008 | |
| 225. | IS 13742(Part 7): 1993 | Carbide tipped single point tools – ISO series – Part 7: Parting off tool (ISO 7) – Specification (superceding IS 2163: 1976) | Oct 2008 | |
| 226. | IS 13742(Part 8): 1993 | Carbide tipped single point tools – ISO series – Part 8: Boring tool (ISO 8) – | Oct 2008 | 1 |

| | | | | |
|------|---|--|----------|---|
| 227. | IS 13742(Part 9):1993 | Specification (superceding IS 2163: 1976) Carbide tipped single point tools – ISO series – Part 9: Boring and facing tool (ISO 9) – Specification (superceding IS 2163: 1976) | Oct 2008 | 1 |
| 228. | IS 13743 (Parts 1 to 10):1997 | Carbide tipped single point tools – IND series – Specification (superceding IS 2163: 1976, IS 8778: 1978, IS 10969: 1984, IS 11120: 1984, IS 11878 (Part 1): 1986, IS 11878 (Part 2): 1986, IS 11878 (Part 1): 1987, IS 11836: 1986, IS 11837: 1986) | Oct 2008 | |
| 229. | IS 13744(Part 1 to 8): 1995 | Carbide tipped single point planning tools – Specification – Part 1 to 8 | Jan 2010 | 1 |
| 230. | IS 13776:1993 /ISO 1080:1975 | Machine tools – Morse taper shanks – Cotter slots with taper key | Oct 2008 | |
| 231. | IS 14168:1995 | Slitting cutters with indexable inserts | Jan 2010 | |
| 232. | IS 14584:1998 | Splines and serration hobs – Technical supply conditions for hobs | Oct 2008 | |
| 233. | IS 14585:1998 | Spline hobs – Involute sided – Specification | Oct 2008 | |
| 234. | IS 14586:1998 | Serration hobs – Straight sided – Specification | Oct 2008 | |
| 235. | IS 14532:1998 /ISO 3936:1993 | Reduction sleeves with tenon drive with external and internal 7/24 taper – Dimensions | Oct 2008 | |
| 236. | IS 14775:2000 /ISO 10898: 1992 | Spot drills - Dimensions | Jan 2010 | |
| 237. | IS 14863:2000 | Turning and copying tool holders and cartridges for indexable inserts – Designation | Mar 2011 | |
| 238. | IS 14864:2000 /ISO 6261:1995 | Boring bars (Tool holders with cylindrical shank) for indexable inserts – Designation | Mar 2011 | |
| 239. | IS 14865:2001/ ISO 5609:1998 | Boring bars for indexable inserts – Dimensions | Mar 2011 | |
| 240. | IS 14866:2000/ ISO 5610:1998 | Single point tool holders for turning and copying for indexable inserts - Dimensions | Mar 2011 | |
| 241. | IS 14867:2000 / ISO 5611:1995 | Cartridges, Type A for indexable inserts – Dimensions | Mar 2011 | |
| 242. | IS 15067:2001 | End mills with brazed helical hard-metal tips – Dimensions | Oct 2008 | |
| 243. | IS 15075:2001 / ISO 5468:1992 | Rotary and rotary impact masonry drill bits with hard metal tips - Dimensions | Oct 2008 | |
| 244. | IS 15091(Part 1): 2002 /ISO 9361- | Indexable inserts for cutting tools – ceramic inserts with rounded corners Part | Oct 2008 | |

| | | | |
|------|--|--|----------|
| 245. | 1:1991 IS 15091(Part 2): 2004 /ISO 9361- 2:1991 | 1 Dimension of inserts without fixing hole Indexable inserts for cutting tools with round corners – Part 2 Dimensions of inserts with cylindrical fixing hole | Jan 2010 |
| 246. | IS 15092:2002 / ISO 3286:1976 | Single point cutting tools - Corner radii | Oct 2008 |
| 247. | IS 15094:2002 /ISO 10910:1995 | Classification and designation of approximate chip control zones for indexable inserts with chip breakers | Oct 2008 |
| 248. | IS 15144:2002 | Indexable hardmetal (Carbide) inserts with rounded corners with partly cylindrical fixing hole – Dimensions of inserts with 7° normal clearance for light alloy and plastic components turning | Oct 2008 |
| 249. | IS/ISO 6462:1983 | Face milling cutters with indexable inserts – Dimensions | Oct 2008 |
| 250. | IS 15762: 2007 /ISO 5413: 1993 | Machine tools - Positive drive of Morse tapers | |
| 251. | IS 15777: 2008 | Selection of Hacksaw Tooth for Metal Cutting - Recommendations | |

DRAFT STANDARDS UNDER PRINTING

| | |
|---|--|
| Doc No. PG 32 (1060)/ ISO 3438: 2003 | Subland twist drills with morse taper shanks for holes prior to tapping screw threads(first revision of IS 12687:1989) |
| Doc No. PG 32 (1061)/ ISO 3439: 2003 | Subland twist drills with cylindrical shanks for holes prior to tapping screw threads(first revision of IS 12691 :1989) |
| Doc: PG 32(1064)/ ISO 839-1:2006 | Milling machine arbors with 7/24 tapers – Part 1 Dimensions and designation (second revision of IS 8614:1993) |
| Doc: PG 32(1065)/ ISO 1832:2004 | Indexable inserts for cutting tools – Designation (third revision of IS 9897:2001) |

DRAFT STANDARDS FINALIZED FOR PRINTING

| | |
|-----------------|---|
| Doc: BP10(0508) | Solid Carbide Parallel Shank Twist Drills Jobber Series |
| Doc: BP10(0509) | Solid Carbide Parallel Shank Twist Drills Stud Series |
| Doc: BP10(0537) | Micro drills (<i>Second revision</i> of IS 5363) |
| DOC:BP 11(0510) | Solid carbide end mills with continuous parallel shank |
| DOC:BP 11(0511) | Solid carbide end mills with stepped parallel shank |

DRAFT STANDARDS COMPLETED WIDE CIRCULATION

| | |
|------------------------------------|---|
| Doc: PG 32 (1063)/ISO 3859:2000 | Inverse dovetail cutters and dovetail cutters with cylindrical shanks (third revision of IS 6255:1995) |
| Doc: PG 32 (1172)/ISO 2250: 2009 | Finishing reamers for Morse and metric tapers, with cylindrical shanks and Morse taper shanks (First Revision of IS 5907) |
| Doc: PG 32 (1173)/ISO 494: 2009 | Cylindrical shank twist drills – Long series (First Revision of IS 5102)’ |
| Doc: PG 32 (1174)/ISO 3338-2: 2007 | Cylindrical Shanks for Milling Cutters – Part 2 : Dimensional Characteristics of Flatted Cylindrical Shanks (Second Revision of IS 8692 Part 2)’ |
| Doc: PG 32 (1175)/ISO 12197: 1996 | Woodruff keyseat cutters – Dimensions (Second Revision of IS 2669) |
| Doc: PG 32 (1176)/ISO 7388-1: 2007 | Tool shanks with 7/24 taper for automatic tool changers - Part 1: Dimensions and designation of shanks of forms A, AD, AF, U, UD and UF (first Revision of IS 11173 Part 1) |
| Doc: PG 32 (1177)/ISO 7388-2: 2007 | Tool shanks with 7/24 taper for automatic tool changers – Part 2: Dimensions and designation of shanks of forms J, JD and JF (First Revision of IS 11173 Part 1)’ |
| Doc: PG 32 (1178)/ISO 7388-3: 2007 | Tool shanks with 7/24 taper for automatic tool changers - Part 3: Dimensions and designation of shanks of forms J, JD and JF (First Revision of IS 11173 Part 2) |

*INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
 / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

PGD 33 TRANSMISSION DEVICES SECTIONAL COMMITTEE

- SCOPE:**
- a) Formulation of standards on terminology for conveyor, elevator and transmission belts; pulleys and belt drives of various sizes and shapes particularly grooved pulleys and V- flat pulleys and belts.
 - b) Formulation of standards for gears, transmission chains; shaft ends and axle heights; splines and serrations; clutches and couplings and keys & keyways.
 - c) Co-ordination of work with:
 - i) ISO/TC 41 Pulleys and belts including V-belts
 - ii) ISO/TC 41/SC 1 Friction
 - iii) ISO/TC 41/SC 3 Conveyor belts
 - iv) ISO/TC 41/SC 4 Synchronous belt drives
 - v) ISO/TC 100 Chains and chain sprockets for power transmission and conveyors

CORRESPONDING ISO COMMITTEE(S):

ISO/TC 41 Pulleys and Belts Including V-belts and
ISO/TC 100 Chains and Chain Sprockets for Power Transmission and Conveyors

| SL. NO. | IS NO./DOC NO. | TITLE | RE AFFIRM | NO. OF AMED MENT |
|----------------------------|----------------------------------|---|------------------|-------------------------|
| STANDARDS PUBLISHED | | | | |
| 1. | * IS 1072:1996 /ISO 4347:1992 | Leaf chains, clevises and sheaves (<i>second revision</i>) | Jan 2006 | |
| 2. | IS 2031:1987 /ISO 496:1973 | Driving and driven machines – Shaft heights (<i>first revision</i>) | Feb 2007 | |
| 3. | IS 1370:1993 | Transmission belting – Friction surfaces rubber belting – Specification (<i>third revision</i>) | Oct 2008 | |
| 4. | IS 1691:1980 | Cast iron and mild steel flat pulleys (<i>second revision</i>) | Dec 2010 | |
| 5. | IS 1891(Pt 1): 1994 | Conveyor and elevator textile belting – Specification – Part 1: General purpose belting (<i>fourth revision</i>) | Dec 2010 | 1 |
| 6. | IS 1891(Pt 2): 1994 | Conveyor and elevator textile belting – Specification – Part 2: Heat resistant belting (<i>third revision</i>) | Oct 2008 | 3 |

INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | RE AFFIRM | NO. OF AMENDMENT |
|---------|-----------------------------|---|-----------|------------------|
| 7. | IS 1891(Pt 3): 1988 | Conveyor and elevator textile belting Specification – Part 3: Oil resistant belting (<i>second revision</i>) | Oct 2008 | 3 |
| 8 | IS 1891(Pt 4): 1978 | Conveyor and elevator textile belting – Specification – Part 4: Hygienic belting (<i>first revision</i>) | Dec 2010 | 2 |
| 9.. | * IS 1891(Pt 5): 1993 | Conveyor and elevator textile belting – Specification – Part 5: Fire resistant belting for surface application | Oct 2008 | |
| 10. | IS 2031:1987 /ISO 496:1973 | Driving and driven machines – Shaft heights (<i>first revision</i>) | Feb 2007 | |
| 11. | IS 2048:1983 | Parallel keys and keyways (<i>second revision</i>) | Dec 2008 | 2 |
| 12. | IS 2122(Pt 1): 1973 | Code of practice for selection, storage, installation and maintenance of belting for power transmission – Part 1: Flat-belt drive (<i>first revision</i>) | Dec 2010 | 1 |
| 13. | IS 2122(Pt 2): 1991 | Code of practice for selection, storage, installation and maintenance of belting for power transmission – Part 2: V-belt drive (<i>first revision</i>) | Dec 2010 | |
| 14. | IS 2241:1976 | Round leather belting for small machines (<i>first revision</i>) | Oct 2006 | |
| 15. | IS 2291:1990 /ISO 3117:1977 | Tangential keys and keyways (<i>third revision</i>) | Jan 2006 | |
| 16. | IS 2292:1974 | Taper kays and keyways (<i>first revision</i>) | Feb 2007 | |
| 17. | IS 2293:1974 | Gib-head kays and keyways (<i>first revision</i>) | Feb 2007 | |
| 18. | IS 2294:1986 | Woodruff kays and keyways (<i>second revision</i>) | Feb 2007 | 2 |
| 19. | IS 2327:1993 /ISO 14:1982 | Straight sided splines for cylindrical shafts with internal centering – Dimensions, tolerances and verification (<i>first revision</i>) | Dec 2008 | |

INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | RE AFFIRM | NO. OF AMENDMENT |
|---------|--------------------------------------|--|-----------|------------------|
| 20. | * IS 2403:1991 /ISO 606:1982 | Short pitch transmission precision steel roller chains and chain wheels (<i>second revision</i>) | Jan 2006 | |
| 21. | IS 2458:2001 /ISO 1122-1:1998 | Vocabulary of gear terms – Definitions related to geometry (<i>first revision</i>) | Feb 2006 | |
| 22. | IS 2467:2002 /ISO 701:1998 | International gear notations – Symbols for geometrical data (<i>first revision</i>) | June 2007 | |
| 23. | IS 2494(Pt 1): 1994 | V-belts – Endless V-belts for industrial purposes – Part 1: General purpose – Specification (<i>second revision</i>) | Oct 2008 | 1 |
| 24. | IS 2494(Pt 2): 1993 | V-belts – Endless V-belts for industrial purposes – Part 2: Fire resistant and antistatic V-belts – Specification | Oct 2008 | 3 |
| 25. | IS 2535 (Pt 1): 2004 /ISO 53:1998 | Cylindrical gears for general and heavy engineering - Part 1 Standard basic rack tooth profile (<i>Third Revision</i>) | Dec 2009 | |
| 26. | IS 2535 (Pt 2): 2004 /ISO 54:1996 | Cylindrical gears for general and heavy engineering - Part 2 Module (<i>Third Revision</i>) | Dec 2009 | |
| 27. | IS 2610:1989 | Power transmission – Straight sided splines for machine tools – Dimensions (<i>first revision</i>) | Jan 2010 | |
| 28. | IS 2637:2004 /ISO 487:1998 | Steel roller chains Type S and C, attachments and sprockets (<i>second revision</i>) | Mar 2010 | |
| 29. | IS 2693:1989 | Power transmission – Bush type flexible couplings (<i>second revision</i>) | Jan 2010 | 1 |
| 30. | * IS 3142:1993 | Pulleys – V-grooved pulleys for V-belts – Groove sections Z, A, B, C, D & E and endless wedge belt sections SPZ, SPA, SPB and SPC (<i>second revision</i>) | Oct 2008 | |
| 31. | IS 3181:1992 | Conveyor belts – fire resistant conveyor belting for underground mines and such other hazardous applications – Specification (<i>second revision</i>) | Oct 2006 | 1 |

INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | RE AFFIRM | NO. OF AMENDMENT |
|---------|--|--|-----------|------------------|
| 32. | IS 3542:1980 | Extended pitch transmission precision roller chains and chain wheels (<i>first revision</i>) | Jan 2006 | |
| 33. | IS 3560:1980 | Short pitch transmission precision bush chains and chain wheels (<i>first revision</i>) | Jan 2006 | |
| 34. | IS 3654:1966 | Dimensions for straight sided serrations | Mar 2010 | |
| 35. | IS 3665:1966 | Dimensions for involute sided splines | Mar 2010 | |
| 36. | IS 3681:1995 | Gears – Cylindrical gears-accuracies (<i>first revision</i>) | Dec 2010 | |
| 37. | IS 3688:1990 /ISO/R 775:1969 | Power transmission – Shafts – Dimensions for cylindrical and 1/10 conical shaft ends (<i>second revision</i>) | Jan 2006 | |
| 38. | IS 3734:1983 | Dimensions for worm gearing (<i>first revision</i>) | Dec 2010 | 1 |
| 39. | IS 3756:2002 | Method for gear correction - Addendum modification for external cylindrical gears with parallel axis (<i>first revision</i>) | Oct 2007 | |
| 40. | IS 4071:1986 | Master gears (<i>first revision</i>) | Dec 2010 | |
| 41. | IS 4278:1988 | Flexible shafts for speedometers and tachographs (<i>second revision</i>) | Dec 2008 | 1 |
| 42. | IS 4460(Pt 1 to 3): 1995 | Gears-spur and helical gears – Calculation of load capacity (<i>first revision</i>) | Aug 2006 | 2 |
| 43. | IS 4600:1968 | Flexible shafts | Jan 2006 | 3 |
| 44. | IS 5037(Pt 1) :2004 /ISO 677 :1976 | Straight bevel gears for general engineering and heavy engineering-Part 1 Basic rack (<i>first revision</i>) | Dec 2009 | |
| 45. | IS 5037 (Part 2):2004 /ISO 678:1976 | Straight bevel gears for general engineering and heavy engineering-Part 2 Module and diametral pitches (<i>first revision</i>) | Dec 2009 | |

INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | RE AFFIRM | NO. OF AMENDMENT |
|---------|----------------------------------|--|------------|------------------|
| 46. | IS 5267:2002 /ISO 1122-2:1999 | Vocabulary of gear terms – Definitions related to worm gear geometry(<i>first revision</i>) | Oct 2007 | |
| 47. | IS 5375:1979 ISO 1340:1976 | Data for procurement of cylindrical gears (<i>first revision</i>) | July 2006 | |
| 48. | IS 5593:1980 | Belt fasteners alligator type (<i>first revision</i>) | Dec 2010 | 3 |
| 49. | IS 5635:1983 | Automotive V-belt drives (<i>first revision</i>) | Dec 2010 | 1 |
| 50. | IS 6166:1971 | Thin taper keys and keyways | Jan 2006 | |
| 51. | IS 6167:1971 | Thin parallel keys and keyways | Jan 2006 | 1 |
| 52. | IS 6196:1971 | Dimensions for fitted half-couplings | Jan 2006 | |
| 53. | IS 6276:1971 | Flexible shafts used in concrete vibrators | Jan 2006 | |
| 54. | IS 6535:1979 ISO 1341:1976 | Data for procurement of straight bevel gears (<i>first revision</i>) | July 2006 | |
| 55. | IS 6580:1972 | Train lighting belt fasteners | Nov 2009 | 1 |
| 56. | IS 6687:2002 | Code of practice for selection storage, installation and maintenance of conveyor belting (<i>first revision</i>) | April 2007 | |
| 57. | IS 7403:1974 | Code of practice for selection of standard worm and helical gear boxes | July 2006 | |
| 58. | IS 7443:2002 | Methods for load rating of worm gears (<i>first revision</i>) | Apr 2007 | |
| 59.. | IS 7504:1995 | Gears – Cylindrical gears – Accuracies – Methods of inspection (<i>first revision</i>) | Dec 2010 | |
| 60. | IS 7923:1985 | Glossary of terms and definitions relating to drives using V-belts and grooved pulleys (<i>first revision</i>) | Dec 2010 | |
| 61. | IS 8777:2008 /ISO3410:1989 | Endless variable-speed V-belts and groove sections of corresponding pulleys for agricultural machinery (<i>First Revision</i>) | | |

INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | RE AFFIRM | NO. OF AMENDMENT |
|---------|----------------------------------|---|-----------|------------------|
| 62. | IS 8830: 2007 ISO 9083:2001 | Calculation of load capacity of spur and helical gears- Application to marine gears (first revision) | | |
| 63. | IS 8843:1978 | Accuracy requirements for turbine gears | July 2006 | |
| 64. | IS 9405:1980 | Method of test for mechanical belt fasteners | Dec 2010 | |
| 65. | IS 9515:1980 | Link V-belts | Dec 2010 | |
| 66. | IS 9804(Part 1):2009 | Synchronous belt drives – Belts – Part 1 Pitch codes MXL, XL, L, H, XH and XXH – Metric and inch dimensions (<i>first revision</i>) | | |
| | IS 9804(Part 2):2010 | Synchronous belt drives – Belts – Part 2 Pitch codes MXL and XXL – Metric dimensions | | |
| 67. | IS 10022:1981 | Open ended cogged V-beltting | Dec 2010 | |
| 68. | IS 10185:1982 | Data for procurement of worm and worm wheels | July 2006 | |
| 69. | IS 10213:1982 | Sandwich beltting | Oct 2006 | |
| 70. | IS 10229:1982 | Open end V-belts | Oct 2006 | |
| 71. | IS 10288:1982 | Belt fasteners, plate type | Oct 2006 | 1 |
| 72. | IS 10686:1983 | Mechanical multi-disc clutches (wet type) | Jan 2006 | |
| 73. | IS 10911:1984 | Methods of inspection for straight bevel gears | Dec 2010 | |
| 74. | IS 11038:1984 | Endless hexagonal belts for agricultural machinery and groove sections of corresponding pulleys | Oct 2008 | |
| 75. | IS 11507:2009 /ISO 5294: 1989 | Synchronous belt drive pulleys (<i>first revision</i>) | | |
| 76. | * IS 11740:1986 | Chains for motorcycles | Jan 2006 | |
| 77. | IS 11842:1986 | PVC/Plastic hygienic beltting | Dec 2010 | 1 |

INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED / INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARDS

| SL. NO. | IS NO./DOC NO. | TITLE | RE AFFIRM | NO. OF AMENDMENT |
|---------|----------------------------------|---|-----------|------------------|
| 78. | IS 11863:1986 | Tolerances for worm gears | Dec 2010 | |
| 79. | IS 12091:1987 | Belt fasteners, hook type | Oct 2006 | |
| 80. | IS 12405:1988 | Gear type flexible couplings | Jan 2006 | |
| 81. | IS 12854:1989 | Power transmission – Belts, endless flat (used in lenix drive system – Specification | Dec 2010 | |
| 82. | IS 13775(Pt 1): 1993 | Conveyor belting – Solid woven cotton/synthetic impregnated and unimpregnated – Specification – Part 1 Aeroslide belting for air gravity conveyor | Oct 2008 | |
| 83. | IS 13926:2005 /ISO 6971: 2002 | Cranked-link drag chains of welded construction, attachments and sprockets (<i>first revision</i>) | Mar 2010 | |
| 84. | IS 13927:2005 /ISO 6972: 2002 | Cranked-link mill chains of welded construction, attachments and sprockets (<i>first revision</i>) | Mar 2010 | |
| 85. | IS 14206(Pt 1): 1995 | On-site non-mechanical jointing of plied textile reinforced rubber conveyor belting – Part 1: Hot vulcanizing – Code of practice | Nov 2009 | |
| 86. | IS 14206(Pt 2): 2001 | On-site non-mechanical jointing of plied textile reinforced rubber conveyor belting – Part 2: Cold vulcanizing joints | Jan 2006 | |
| 87. | IS 14261:1995 | Transmission devices – Endless narrow V-belts for industrial purposes – Specification | Dec 2010 | |
| 88. | IS 14285:1995 | Transmission devices – Flexible coupling – Tyre type - Specification | Dec 2010 | |
| 89. | IS 14696:2000 | Transmission steel roller chains and chain wheels for oil field applications - Specification | Mar 2010 | |
| 90. | IS 15143:2002 | Conveyor belting of elastomeric and steel cord construction of underground mines and such other hazardous applications – Specification | Sep 2007 | |
| 91. | IS 15146:2002 | Belt drives – Pulleys – Limiting values for adjustment of centers | June 2007 | |

INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED

| SL. NO. | IS NO./DOC NO. | TITLE | RE AFFIRM | NO. OF AMENDMENT |
|---------|-----------------------------------|--|-----------|------------------|
| 92. | IS 15147:2002 /ISO 254:1998 | Belt drives – Pulleys – Quality, finish and balance | June 2007 | |
| 93. | IS 15148:2002 /ISO 1813:1998 | Belt drives – Pulleys and V-ribbed belts, joined V-belts and V-belts including wide section belts and hexagonal belts – Electrical conductivity of antistatic belts: Characteristics and methods of test | July 2007 | |
| 94. | IS 15149:2002 /ISO 9981:1998 | Belt drives – Pulleys and V-ribbed belts for the automotive industry – PK profile: Dimensions | May 2007 | |
| 95. | IS 15151:2002 /ISO 9982:1991 | Belt drives – Pulleys and V-ribbed belts for industrial applications – PH, PJ, PK, PL and PM profiles: Dimensions | June 2007 | |
| 96. | IS 15427:2004 | Conveyor belting of elastomeric and steel cord construction for general purpose belting - Specification | Mar 2010 | |
| 97. | IS 15509: 2004 /ISO 1275: 1995 | Double-pitch precision roller chains and sprockets for transmission and conveyors | Dec 2009 | |
| 98. | IS 15510: 2004 /ISO 3512: 1992 | Heavy-duty cranked-link transmission chains | Aug 2009 | |
| 99. | IS 15511: 2004 /ISO 9633: 2001 | Cycle chains – Characteristics and test methods | Aug 2009 | |
| 100. | IS 15790:2008 /ISO 15654:2004 | Fatigue test method for transmission precision roller chains | | |

DRAFT STANDARDS UNDER PRINT

| | |
|-------------|---|
| PG 29(1108) | Synchronous belt drives – Belts – Part 2: Pitch codes MXL and XXL – Metric dimensions |
| PG 30(1158) | Guidelines for the selection of roller chain drives |

INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARD

DRAFT STANDARDS COMPLETED WIDE CIRCULATION

| | |
|-------------|--|
| PG 29(1102) | Conveyor belts – Specification for rubber or plastics covered conveyor belts of textile construction for general use [<i>Fifth Revision</i> of IS 1891(Part 1):1994] |
| PG 29(1103) | Belt Drives – V-Belts for the Automotive Industry and corresponding pulleys – Dimensions (<i>Second Revision</i> of IS 5635:1983) |
| PG 29(1106) | Steel cord conveyor belts -- Part 1: Design, dimensions and mechanical requirements for conveyor belts for general use (<i>First Revision</i> of IS 15427:2004) |
| PG 29(1107) | Conveyor belts -Determination of elastic and permanent elongation and calculation of elastic modulus |
| PG 29(1168) | Conveyor belts – fire resistant conveyor belting for underground mines and such other hazardous applications – Specification (<i>second revision</i>)[Amendment to IS 3181:1993] |
| PG 30(1148) | Gear type flexible couplings (Amendment No. 1 to IS 12405) |
| PG 30(1149) | Short -pitch transmission precision roller and bush chains, attachments and associated chain sprockets (third revision of IS 2403:1991) |
| PG 30(1150) | Leaf chains, clevises and sheaves – Dimensions, measuring forces and tensile strengths (third revision of IS 1072:1996) |
| PG 30(1157) | Motorcycle chains—characteristics and test methods (first revision of IS 11740 :1986) |

INDICATES STANDARDS UNDER REVISION. ** INDICATES STANDARDS TO BE REVISED
/ INDICATES DUAL NUMBERED STANDARDS | INDICATES EQUIVALENT STANDARD

PRODUCTION AND GENERAL ENGINEERING DEPARTMENT

ANNEX A

LIST OF INDIAN STANDARDS WITHDRAWN / SUPERSEDED

| Sl. No. | Committee No. | IS No. | Title |
|---------|---------------|-----------|---|
| 1. | PG 20 | 3:1949 | Inch-millimetre conversion for industrial use (<i>withdrawn</i>) |
| 2. | PG 20 | 448:1954 | Unified screw threads (<i>revised</i>) (<i>withdrawn</i>) |
| 3. | PG 02 | 519:1954 | T-bolts and T-nuts (Superseded by IS 2013, 2014 and 2015) |
| 4. | PG 29 | 529:1976 | Solid woven impregnated cotton belting for power transmission (<i>second revision</i>) (<i>withdrawn</i>) |
| 5. | PG 10 | 599:1960 | Twist drills (Superseded by IS 5099 to 5108) |
| 6. | PG 10 | 664:1963 | Centre drills (Superseded by IS 6708, 6709 and 6710) |
| 7. | PG 24 | 696:1972 | Code of practice for general engineering drawings (<i>second revision</i>) (<i>withdrawn</i>) |
| 8. | PG 20 | 886:1957 | Dimensions for screw threads (below 6 mm) (<i>withdrawn</i>) |
| 9. | PG 20 | 1020:1963 | Conversion tables for ordinary use (<i>revised</i>) (<i>withdrawn</i>) |
| 10. | PG 26 | 1270:1965 | Metric steel tape measures winding type (<i>revised</i>) [Superseded by IS 1269(Pt 2):1977] |
| 11. | PG 20 | 1330:1958 | General plan for metric screw threads with ISO profile (diameter range 0.25 to 300 mm) (Superseded by IS 4218) |
| 12. | PG 20 | 1362:1962 | Dimensions for screw threads for general purposes (diameter range 1.6 to 39 mm) (<i>revised</i>) (Superseded by IS 4218) |
| 13. | PG 26 | 1432:1959 | General requirements for washing instruments (<i>obsoslet</i>) |
| 14. | PG 11 | 1831:1961 | Dimensions for milling centers (Superseded by IS 6322 to 6352) |

| Sl. No. | Committee No. | IS No. | Title |
|---------|---------------|--------------|--|
| 15. | PG 10 | 1836:1961 | Reamers (Superseded by a number of standards under PG 10) |
| 16. | PG 10 | 1859:1961 | Thread cutting dies (Superseded by IS 12319 to 12325) |
| 17. | PG 20 | 1926:1961 | Equivalent metric units for quantities in mechanical engineering (withdrawn) |
| 18. | PG 10 | 1988:1962 | Screwing tape (Superseded by IS 6171 to 6175) |
| 19. | PG 20 | 2101:1962 | Recommendations for limits and fits for sizes above 500 mm upto 3150 mm [Superseded by IS 919(Pt 1)] |
| 20. | PG 20 | 2102:1969 | Allowable deviations for dimensions without specified tolerances [Superseded by IS 2102(Pt 1):1993] |
| 21. | PG 12 | 2162:1979 | Dimensions for carbide tips for single point turning tools (<i>first revision</i>) [Superseded by IS 13743(Pt 1 and 6):1993] |
| 22. | PG 12 | 2163:1979 | Carbide tipped for single point turning tools (first revision) [Superseded by IS 13742(Pt 1 to 9):1993] |
| 23. | PG 11 | 2169:1963 | Milling arbors (Superseded by IS 8611 to 8621) |
| 24. | PG 11 | 2170:1963 | Accessories for milling arbors (Superseded by IS 8611 to 8621) |
| 25. | PG 03 | 2200: 1994 | Test chart for milling machines with table of variable height, with horizontal spindle (Superseded by IS 2200 Par 2: 2002) |
| 26. | PG 03 | 2201: 1994 | Test Chart for Milling Machines with Table of Variable Height, with Vertical Spindle (Superseded by IS 2200 Par 3: 2002) |
| 27. | PG 29 | 2240:1976 | Vegetable tanned leather belting for power transmission (<i>first revision</i>) (withdrawn) |
| 28. | PG 25 | 2386:1963 | Dimensions for gauge limits for ISO metric screw threads (1.6 to 39 mm) (withdrawn) |
| 29. | PG 31 | IS 2388:1971 | Specification for slotted grub screws (<i>first revision</i>) (superseded by IS 15629:2005) |

| Sl. No. | Committee No. | IS No. | Title |
|---------|---------------|-----------------|---|
| 30. | PG 31 | 2389:1968 | Precision hexagon bolts, screws, nuts and lock nuts (dia range 1.6 to 5 mm) (first revision) [Superseded by IS 1364(Pt 1 to 5)] |
| 31. | PG 03 | 2392:1963 | Sizes for general purpose lathes (withdrawn) |
| 32. | PG 13 | 2513:1963 | Boundary dimensions for rolling bearings for general engineering purposes (Superseded by IS 5692, 5932 and 5935) |
| 33. | PG 02 | 2583:1963 | Dimensions for camlock type spindle nose and back plates [Superseded by IS 2582 (Pt 2)] |
| 34. | PG 10 | 2608:1964 | Reduction leeves and extensions sockets for morse tapers [Superseded by IS 2582 (Pt 2)] |
| 35. | PG 31 | 2614:1968 | Method for sampling of fasteners (<i>first revision</i>) [Superseded by IS 1367 (Pt 17):1996] |
| 36. | PG 22 | IS 2666:1963 | Specification for slide rules (linear type) |
| 37. | PG 20 | 2709:1982 | Guide for the selection of fits (<i>first revision</i>) [contents covered in IS 919 (Pt 1):1993] |
| 38. | PG 30 | 2710:1975 | Parallel keys and keyways for machine tools (Superseded by IS 2048) |
| 39. | PG 02 | 2793:1964 | Dimensions for cranked handle (withdrawn) |
| 40. | PG 30 | 3139:1966 | Dimensions for screw threads for bolts and nuts (dia range M 42 to M 150) [covered in IS 4218 (Pt 5)] |
| 41. | PG 29 | 3143:1965 | Cotton ropes for power transmission (withdrawn) |
| 42. | PG 10 | 3230:1970 | Recommendations for tapping drill sizes (Superseded by IS 10952) |
| 43. | PG 20 | 3333(Pt 1):1967 | Dimensions for petrolens industry pipe threads – Part 1: Line pipe threads (withdrawn) |
| 44. | PG 20 | 3333(Pt 2):1967 | Dimensions for petrolens industry pipe threads – Part 2: Casing round threads (withdrawn) |
| 45. | PG 20 | 3333(Pt 3):1967 | Dimensions for petrolens industry pipe threads – Part 3: Tubing round threads (withdrawn) |
| 46. | PG 20 | 3333(Pt 4):1967 | Dimensions for petrolens industry pipe threads – Part 4: Buttress casing threads (withdrawn) |

| Sl. No. | Committee No. | IS No. | Title |
|---------|---------------|------------------|--|
| 47. | PG 25 | IS 3477:1973 | Go and no go snap gauges for size range 3 to 250mm (<i>first revision</i>) (withdrawn) |
| 48. | PG 25 | 3484:1966 | Plain plug gauges (withdrawn) |
| 49. | PG 20 | 3616:1966 | Recommendation on the international system (SI) units (withdrawn) (Superseded by IS 10005) |
| 50. | PG 30 | 3653:1966 | Dimensions for forged end type rigid couplings (Base standard DIN 760:1937 has been withdrawn) |
| 51. | PG 32 | 3697:1966 | Boundary dimensions for taper roller bearings (superseded by IS 7640 and 7461) |
| 52. | PG 06 | 4057:1986 | Carpenters' adjustable metal bodid bench planes (<i>first revision</i>) |
| 53. | PG 30 | 4058:1967 | Accuracy requirements for coarse quality low speed gears (Superseded by IS 3681:1995) |
| 54. | PG 30 | 4059:1967 | Accuracy requirements for medium quality medium speed gears (Superseded by IS 3681:1995) |
| 55. | PG 25 | IS 4019:1967 | Firm-joint dividers (withdrawn) |
| 56. | PG 25 | IS 4052:1983 | Spring callipers (<i>first revision</i>) (withdrawn) |
| 57. | PG 25 | IS 4083:1967 | Spring dividers (withdrawn) |
| 58. | PG 25 | IS 4189:1967 | Firm-joint inside and outside callipers (withdrawn) |
| 59. | PG 20 | 4218 (Pt 5):1979 | ISO metric screw threads – Part 5: Tolerances (<i>first revision</i>) [Superseded by IS 14692(Pt 3):2001] |
| 60. | PG 20 | 4218 (Pt 6):1978 | ISO metric screw threads – Part 6: Limits of sizes for commercial bolts and nuts (diameter range 1 to 52 mm) (<i>first revision</i>) |
| 61. | PG 25 | 4290(Pt 1):1992 | Roughness comparison specimens – Part 1: Turned, ground, bored, milled, shaped and planed (<i>first revision</i>) |
| 62. | PG 25 | 4290(Pt 2):1992 | Roughness comparison specimens – Part 2: Spark-eroded, shot-blasted and grit blasted and polished (<i>first revision</i>) |
| 63. | PG 25 | 4290(Pt 3):1992 | Roughness comparison specimens – Part 3: Cast surface (<i>first revision</i>) |

| Sl. No. | Committee No. | IS No. | Title |
|---------|---------------|-----------|---|
| 64. | PG 26 | 4532:1968 | Portable scale for jewelers (withdrawn) |
| 65. | PG 03 | 4537:1968 | Test chart for capstan and turret lathes (withdrawn) |
| 66. | PG 26 | 4539:1968 | Performance requirements for auto-rickshaw meters distance cum-time type (withdrawn) |
| 67. | PG 25 | 4583:1968 | Plat snap gauges (withdrawn) (see IS 8023) |
| 68. | PG 20 | 4694:1968 | Basic dimensions for square threads (withdrawn) |
| 69. | PG 30 | 4702:1968 | Accuracy requirements for high precision gears (Superseded by IS 3681:1995) |
| 70. | PG 30 | 4725:1968 | Accuracy requirements for precision gears (Superseded by IS 3681:1995) |
| 71. | PG 14 | 4829:1983 | Plastic slide fasteners (<i>first revision</i>) |
| 72. | PG 03 | 4872:1968 | Sizes for planning machines (withdrawn) |
| 73. | PG 10 | 4917:1968 | Tap wrenches (withdrawn) |
| 74. | PG 19 | 4974:1968 | Grease nipple, small (withdrawn) {see IS 4009 (Pt 2): 1981] |
| 75. | PG 19 | 5019:1968 | Lubricating plugs [Superseded by IS 4009 (Part 3):1995] |
| 76. | PG 25 | 5049:1969 | Gauge for wire diameters (withdrawn) |
| 77. | PG 26 | 5222:1969 | Performance requirements for auto-rickshaw meter distance type (withdrawn) |
| 78. | PG 31 | 5308:1969 | Slotted countersunk head and slotted raised countersunk head screws, small head series (dia range 1.5 to 6 mm) (Superseded by IS 1365 and 8911) |
| 79. | PG 10 | 5618:1970 | Specification for circular threaded cutting dies for conduit threads |
| 80. | PG 03 | 5990:1971 | Sizes for shaping machines (withdrawn) |
| 81. | PG 10 | 5617:1970 | Recommendations for tapping drill sizes for fastening pipe threads (Superseded by IS 10952) |

| Sl. No. | Committee No. | IS No. | Title |
|---------|---------------|--------------|---|
| 82. | PG 10 | 6091:1971 | Machine jig reamers (Superseded by IS 11002) |
| 83. | PG 25 | 6138:1971 | Gauging members for plain plug gauges no go member (dia range 1 to 30 mm) (Superseded by IS 6137) |
| 84. | PG 10 | 6172:1979 | Hand taps for pipe threads, parallel (<i>first revision</i>) (withdrawn) |
| 85. | PG 10 | 6174:1971 | Nut screwing tap for ISO metric screw threads, coarse [Superseded by IS 6175 (Pt 5):1991] |
| 86. | PG 25 | 6245:1971 | Gauging members for plain plug gauges no go member (size range 30 to 100 mm) (Superseded by IS 6244) |
| 87. | PG 25 | 6247:1971 | Gauging members for plain plug gauges no go member (size range 100 to 250 mm) (Superseded by IS 6246) |
| 88. | PG 29 | 6583:1989 | Power transmission belts – Train lighting belting – Specification (<i>first revision</i>) |
| 89. | PG 25 | 6633:1972 | No go plain ring gauges (size range 1 to 315 mm) (Superseded by IS 3485) |
| 90. | PG 05 | 7210:1974 | Rigid case with indicator dial type torque wrench (withdrawn) |
| 91. | PG 31 | IS 7485:1985 | Specification for cross recessed countersunk head screws (<i>first revision</i>) (Based standard ISO 7046:1983 splited into ISO 7046-1:1994 and ISO 7046-2:1990) splited into IS 7485(Part 1):2005 and IS 7485(Part 2):2005 |
| 92. | PG 03 | 7764:1975 | Sizes for drilling machines |
| 93. | PG 03 | 7765:1975 | Sizes for milling machines with table of various height with horizontal or vertical spindle (withdrawn) |
| 94. | PG 10 | 7796:1975 | Hand taps for pipe threads, taper [Superseded by IS 6175 (Pt 8):1991] |
| 95. | PG 10 | 7821:1975 | Long shank machine taps with nominal diameters from M 3 to M 24 [Superseded by IS 6175 (Pt 4):1991] |
| 96. | PG 03 | 7936:1976 | Sizes for radial drilling machines (withdrawn) |
| 97. | PG 12 | 8065:1976 | Dimensions for carbide tips for light cutting operations [Superseded by IS 1374 (Pt 2):1993] |

| Sl. No. | Committee No. | IS No. | Title |
|----------------|----------------------|---------------|--|
| 98. | PG 20 | 8192:1976 | Guide for selection of fitment bores for cylindrical shaft ends (contents covered in IS 919) |
| 99. | PG 06 | 8203:1976 | Carpenters' wooden bodied nose planes (amalgamated with IS 8202:1999) |
| 100. | PG 06 | 8204:1976 | Carpenters' wooden bodied jack planes (amalgamated with IS 8202:1999) |
| 101. | PG 06 | 8205:1976 | Carpenters' wooden bodied try planes (amalgamated with IS 8202:1999) |
| 102. | PG 06 | 8206:1976 | Carpenters' wooden bodied smoothing planes (amalgamated with IS 8202:1999) |
| 103. | PG 06 | 8209:1976 | Cut irons and cap irons for carpenters' wooden bodied bench planes (amalgamated with IS 8202:1999) |
| 104. | PG 06 | 8210:1976 | Technical supply conditions for carpenters' wooden bodied bench planes (amalgamated with IS 8202:1999) |
| 105. | PG 05 | 8235:1976 | Guide for safety procedures in hand operated hand tools (withdrawn) |
| 106. | PG 12 | 8301:1976 | Dimensions for carbide tips for drills with point angle 115° (type AB) (amendment 1) [Superseded by IS 13741 (Pt 5)] |
| 107. | PG 31 | 8537:1972 | Nomenclature and terminology of fasteners (Superseded by IS 8535:1987) |
| 108. | PG 11 | 8612:1977 | Milling arbors with morse taper and positive drive (withdrawn) |
| 109. | PG 11 | 8613:1977 | Stub milling arbors with morse taper and positive drive (withdrawn) |
| 110. | PG 11 | 8617:1977 | Stub milling arbors with morse taper and with key (withdrawn) |
| 111. | PG 12 | 8778:1978 | Single point carbide tipped external threading tools, (IND 2) (55 or 60°) [Superseded by IS 13743 (Pt 2):1997] |
| 112. | PG 25 | 9112:1979 | Screw threads micrometers (withdrawn) |

| Sl. No. | Committee No. | IS No. | Title |
|----------------|----------------------|----------------------|--|
| 113. | PG 10 | 9169:1979 | Dimensions for thread cutting elements for hand taps and machine taps-serial [Superseded by IS 6173 (Pt 1):1993] |
| 114. | PG 13 | 9247:1979 | Tolerances for radial rolling bearings with shields or seals (withdrawn) |
| 115. | PG 12 | 9327:1979 | Dimensions for carbide tips for reamers, core drills, end mill and slot milling cutters [Superseded by IS 13741 (Pt 4):1993] |
| 116. | PG 27 | 9969:1981 | Alpine ski terminology (Superseded by IS 9317:2001) |
| 117. | PG 20 | 9996:1981 | Gauging practice for line pipe threads used in petroleum industries (withdrawn) |
| 118. | PG 25 | 10707:1983 | Instruments for measurement of surface roughness by profile method |
| 119. | PG 24 | 10714:1983 | General principles of presentation on technical drawings (Superseded by parts o IS 10714) |
| 120. | PG 14 | 10857:1984 | Methods of tests for slide fasteners (withdrawn) |
| 121. | PG 12 | 10969:1984 | Single point carbide tipped internal threading tools, (IND 3) (55 or 60°)[Superseded by IS 13743 (Pt 3):1997] |
| 122. | PG 24 | IS 11065(Pt 1): 1984 | Drawing practice for axonometric projections Part 1 Isometric projection |
| 123. | PG 24 | IS 11065(Pt 2): 1985 | Drawing practice for axonometric projections Part 2 Dimetric projection |
| 124. | PG 12 | 11120:1984 | Carbide tipped single point boring tools (arbor mounted type) (IND 4) [Superseded by IS 13743 (Pt 4):1997] |
| 125. | PG 11 | 11440:1985 | Specification for reduction sleeve 7/24 taper to cylindrical [Superseded by IS 11835 (Part 1):2005 & IS 11835(Part 2):2004] |
| 126. | PG 25 | 11689:1986 | Gauging practice for straight sided splines for general engineering use(Superseded by IS 2327:1993) |
| 127. | PG 25 | 11703(Pt 1):1986 | Gauges for straight sided splines for general engineering use – Part 1: Plug gauges (Superseded by IS 2327:1993) |

| Sl. No. | Committee No. | IS No. | Title |
|----------------|----------------------|-------------------------------------|---|
| 128. | PG 25 | 11703(Pt 2):1986 | Gauges for straight sided splines for general engineering use – Part 2: Ring gauges (Superseded by IS 2327:1993) |
| 129. | PG 06 | 11832:1986 | Cut-irons and cap-irons or carpenters' metal bodied bench planes |
| 130. | PG 12 | 11836:1986 | Single point carbide tipped straight round nose turning tool [Superseded by IS 13743 (Pt 7):1997] |
| 131. | PG 12 | 11837:1986 | Single point carbide tipped cranked round nose turning tool [Superseded by IS 13743 (Pt 8):1997] |
| 132. | PG 12 | 11878(Pt 1):1986 | Single point carbide tipped tool blanks for sliding head type automats – Part 1: Turning tool (IND 5) [Superseded by IS 13743 (Pt 5):1997] |
| 133. | PG 12 | 11878(Pt 2):1986 | Single point carbide tipped tool blanks for sliding head type automats – Part 2: Parting off tool (IND 6) [Superseded by IS 13743 (Pt 6): 1997] |
| 134. | PG 12 | 11878(Pt 3):1987 | Single point carbide tipped tool blanks for sliding head type automats – Part 3: Recessing off tool (IND 9) [Superseded by IS 13743 (Pt 9): 1997] |
| 135. | PG 20 | 12241:1987 | ISO general purpose metric screw threads – Selected sizes for screws, bolts and nuts [Superseded by IS 4218(Pt 4):2001] |
| 136. | PG 12 | 12294:1988 | Carbide tips for parting off and turning tool (IND 5 & 6) for sliding head type automats [Superseded by IS 13741(Pt 3):1993] |
| 137. | PG 30 | 12328(Pt 1):1988 | Bevel gear systems – Part 1: Straight bevel gears |
| 138. | PG 30 | 12328(Pt 2):1988 | Bevel gear systems – Part 2: Spiral bevel gears |
| 139. | PG 30 | 12328(Pt 3):1988 | Bevel gear systems – Part 3: Zerol bevel gears |
| 140. | PG 03 | 12454:1988 | Guidelines for technical evaluation of general purpose parallel lathes (Superseded by IS 11118) |
| 141. | PG 24 | IS 15057:2001 /ISO/TR 10127:1990 | Computer-Aided Design (CAD) Technique – Use of computers for the preparation of construction drawings |
| 142. | PG 31 | SP 29(Pt 1): 1985 | Handbook on industrial fasteners – Part 1: General engineering standards |

| Sl. No. | Committee No. | IS No. | Title |
|----------------|----------------------|--------------------------|--|
| 143. | PG 31 | SP 29(Pt 2): 1987 | Handbook on industrial fasteners – Part 2: Bolts, nuts, screws and other threaded fasteners and washers |
| 144. | PG 31 | SP 29(Pt 3): 1987 | Handbook on industrial fasteners – Part 3: Rivets, pins, nails, keys and keyways, cotters and other non-threaded fasteners |
| 145. | PG 05 | SP 53:1992 | Hand operated hand tools – Safety code for the use, care and protection |
| 146. | PG 11 | IS/ISO 7406:1986 | Bore type milling cutters for indexable inserts - Designation |
| 147. | PG 11 | IS/ISO 7848:1986 | Shank type milling cutters for indexable inserts - Designation |
| 148. | PG 31 | IS/ISO 4033:1979 | Fasteners – Hexagon nuts – Style 2 Product grades A & B [Superseded by IS 1364(Part 6):2002] |
| 149. | PG 24 | IS 10714:1983 | General principles of presentation on technical drawings |
| 150. | PG 30 | IS 3653:1966 | Dimension for forged end type rigid coupling |
| 151. | PG 24 | IS 12461(Pt 1): 1988 | Simplified presentation of technical documents Part 1 Guide for preparation of supplementary drawings |
| 152. | PG 08 | IS 12563 : Part 1 : 1988 | Data sheet for pneumatic tools test report: Part 1 Rotary tools(superseded by IS 12563: 2001) |
| 153. | PG 08 | IS 12563 : Part 1 : 1988 | Data sheet for pneumatic tools test report: Part 2 Percussive tool (with or without rotation) (superseded by IS 12563: 2001) |
| 154. | PG 05 | IS 7145:1974 | Technical supply conditions for torque wrenches (Superseded by IS/ISO 6789:2003) |
| 155. | PG 05 | IS 7268:1974 | Click type torque wrenches (Superseded by IS/ISO 6789:2003) |
| 156. | PG 26 | IS 14439(Pt 3):1998 | Legal Metrology – Gas volume meters – Part 3 Rotary piston and turbine gas meters |

PRODUCTION AND GENERAL ENGINEERING DEPARTMENT

ANNEX B

**LIST OF IS NO. AND VALID LICENCES COVERED
UNDER CERTIFICATION AS ON 01 OCTOBER 2010**

| Sl. No. | IS No. | Product | Committee No. | No. of Licences |
|----------------|-----------------------|--|----------------------|------------------------|
| 1. | 274(Pts 1 and 2):1981 | Specification for Shovels - Part 1 : General Purpose Shovels | PG 06 | 2 |
| 2. | 1363(Pt 1):2002 | Hexagon Head Bolts, Screws and Nuts of Product Grade 'C' - Part 1 : Hexagon Head Bolts (Size Range M 5 to M 64) | PG 31 | 21 |
| 3. | 1364(Pt 1):2002 | Hexagon Head Bolts, Screws and Nuts of Product Grades A and B - Part 1 : Hexagon Head Bolts (Size Range M 1.6 to M 64) | PG 31 | 4 |
| 4. | 1370:1993 | Transmission belting - Friction surface rubber belting - Specification | PG 29 | 1 |
| 5. | 1759:1986 | Specification for Powrahs | PG 06 | 5 |
| 6. | 1891(Pt 5):1993 | Conveyor and elevator textile belting - Specification: Part 5 Fire resistant belting for surface application | PG 29 | 1 |
| 7. | 1929:1982 | Hot forged steel rivets for hot closing (12 to 36mm diameter) | PG 31 | 1 |
| 8. | 2028:2004 | Open Jaw Wrenches (Spanners) - Specification | PG 05 | 4 |
| 9. | 2029:1998 | Ring wrenches (Spanners) | PG 05 | 3 |
| 10. | 2161:1996 | Coolant pumps for general purpose machine tools - Specification | PG 02 | 2 |
| 11. | 2243:1971 | Specification for Drill Chucks | PG 02 | 2 |
| 12. | 2269:2002 | Hexagon socket head cap screws | PG 31 | 1 |
| 13. | 2403:1991 | Short Pitch Transmission Precision Roller Chains and Chain Wheels | PG 30 | 4 |

| Sl. No. | IS No. | Product | Committee No. | No. of Licences |
|----------------|-----------------|--|----------------------|------------------------|
| 14. | 2494(Pt 1):1994 | V-Belts - Endless V-Belts for Industrial Purposes - Part 1 : General Purpose - Specification | PG 29 | 34 |
| 15. | 3099(Pts 1&2): | Microscopes – Slips and slides – Specification: Part 1 Microscope slips; Part 2 Microscope slides (first revision) | PG 22 | 9 |
| 16. | 3148:1991 | Slide fasteners (general purpose) | PG 14 | 1 |
| 17. | 3650:1981 | Specification for Combination Side Cutting Pliers | PG 05 | 3 |
| 18. | 4003(Pt 1):1978 | Specification for Pipe Wrenches - Part 1 : General Purpose | PG 05 | 9 |
| 19. | 4003(Pt 2):1978 | Specification for Pipe Wrenches - Part 2 : Heavy Duty | PG 05 | 4 |
| 20. | 4123:1982 | Specification for Chain Pipe Wrenches | PG 05 | 3 |
| 21. | IS 4508:1992 | Open ended slugging wrenches (Spanners) – Specification (<i>first revision</i>) | PG 05 | |
| 22. | IS 4509:1992 | Ring slugging wrenches (Spanners) – Specification (<i>first revision</i>) | PG 05 | |
| 23. | 5103:1969 | Specification for Twist Drills, Morse Taper Shanks | PG 10 | 1 |
| 24. | 6118:1991 | Multiple slip-joint pliers | PG 05 | 1 |
| 25. | 6149:1984 | Specification for Single-ended Open-jaw Adjustable Wrenches | PG 05 | 3 |
| 26. | 6639:1972 | Specification for Hexagon Bolts for Steel Structures | PG 31 | 3 |
| 27. | 6760:1972 | Specification for Slotted Countersunk Head Wood Screws | PG 31 | 3 |
| 28. | 8156:1994 | Fasteners for consumer goods – Synthetic hook and loop tape - Specification | PG 14 | 1 |

| Sl. No. | IS No. | Product | Committee No. | No. of Licences |
|----------------|---------------|--|----------------------|------------------------|
| 29. | 12102:1987 | Specification for Tapered Roller Bearings | PG 13 | 1 |
| 30. | 12427:2001 | Fasteners - Threaded Steel Fasteners - Hexagon Head Transmission Tower Bolts - Specification | PG 31 | 19 |
| Total | | | | 147 |

PRODUCTION AND GENERAL ENGINEERING DEPARTMENT

ANNEX C

LIST OF BILINGUAL STANDARDS

| Sl. No. | IS No. | Title |
|----------------|--------------------------|---|
| 1. | 786:1967 | Conversion factors and conversion tables (<i>first revision</i>) |
| 2. | 786:1967 (Supplement) | SI Supplement to Indian Standard – Conversion factors and conversion tables (<i>first revision</i>) |
| 3. | 844 (Pt 1):1979 | Screw driver – Part 1: Technical supply conditions (<i>second revision</i>) |
| 4. | 3995:1980 | Mugs (<i>first revision</i>) |
| 5. | 7370:1974 | Razors, safety |