

BFPA

*Representing Hydraulic
& Pneumatic Industries*

BFPA LIBRARY OF STANDARDS

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KEY = Technical Committee responsible

| | |
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| 1 | Accumulators (TC 1) |
| 3 | Cylinders (TC 3) |
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| 16 | Fluids (TC 16) |
| TCs | All technical committees |

BRITISH STANDARDS INSTITUTE
British standards

| <i>Number</i> | <i>Title</i> | <i>Key</i> |
|--------------------------------|---|------------|
| BS 3G 100-2.3.13:1973 | Specification for general requirements for equipment for use in aircraft – All equipment – Environmental conditions – Resistance to fire in designated fire zones | 4 |
| BS 4F 68:2002 | Controlled storage of vulcanised rubbers for use in aerospace applications | 4 |
| BS 778:1966 | Specification for steel pipes and joints for hydraulic purposes | 4 |
| BS 903-1:1995 | Physical testing of rubber – Guide to the selection and use of methods of test for rubber | 4 |
| BS 903-A1:1996+ Corr 1:1996 | Physical testing of rubber – Determination of density | 4 |
| BS 903-A9:1988 | Physical testing of rubber – Determination of abrasion resistance | 4 |
| BS 1806:1989 | Dimensions of toroidal sealing rings – O-rings and their housings – inch series | 7 |
| BS 2779:1986 | Pipe threads for tubes and fittings where pressure tight joints are not made on the threads (metric dimensions) | 4 |
| BS 4368-1:1998 | Metallic tube connectors for fluid power and general use Part 1: Split collet compression fittings | 4 |
| BS 4368-4:1984 | Compression couplings for tubes Part 4: Specification for type test requirements | 4 |
| BS 4518:1982 | Specification for metric dimensions of toroidal sealing rings (O-rings) and their housings | 7 |
| BS 5070:1974 | Drawing practice for engineering diagrams | TCs |
| BS 5173-1:1976 | Methods of test for hoses Part 1: Measurement of dimensions | 4 |
| BS 5173-2:1976 | Methods of test for hoses Part 2: Hydraulic pressure tests | 4 |
| BS 5173-100:1992 | Methods of test for rubber and plastics hoses and hose assemblies Part 100: General introduction | 4 |
| BS 5173-102.1:1991 | Methods of test for rubber and plastics hoses and hose assemblies Part 102.1: Hydraulic pressure tests – Hydrostatic tests | 4 |
| BS 5173-102.3:1988 | Methods of test for rubber and plastics hoses and hose assemblies Part 102.3 – Hydraulic pressure tests – Determination of volumetric expansion of fuel-dispensing pump hoses | 4 |
| BS 5173-102.4:1990 | Methods of test for rubber and plastics hoses and hose assemblies Part 102.4 – Hydraulic pressure tests – Determination of volumetric expansion of hydraulic hoses | 4 |
| BS 5173-102.8:1987 | Methods of test for rubber and plastics hoses and hose assemblies Part 102.8 – Hydraulic pressure tests – Pressure impulse test for rigid helix reinforced thermoplastics hoses | 4 |
| BS 5173-102.10:1990 | Methods of test for rubber and plastics hoses and hose assemblies Part 102.10 – Hydraulic pressure tests – Hydrostatic tests for oil suction and discharge hose | 4 |
| BS 5173-103.6:1990 | Methods of test for rubber and plastics hoses and hose assemblies Part 103.6 – Physical tests - Determination of ignitability of lining | 4 |
| BS 5173-103.7:1991 | Methods of test for rubber and plastics hoses and hose assemblies Part 103.7 – Physical tests – Determination of fracture resistance of rigid polymer helical reinforcement in thermoplastics hoses | 4 |
| BS 5173-103.13:1994 | Methods of test for rubber and plastics hoses and hose assemblies Part 103.13 – Physical tests Determination of resistance to fire | 4 |
| BS 5173-106.2:1990 | Rubber and plastics hoses and hose assemblies Part 106.2 – Environmental tests – General requirements for high temperature ageing tests | 4 |

BRITISH STANDARDS INSTITUTE
British standards – continued...

| Number | Title | Key |
|----------------|---|------------|
| BS 5200:1997 | Fluid Power Systems – specification for dimensions of hydraulic connectors and adaptors | 4 |
| BS 5244:1986 | Application, storage and life expiry of hydraulic rubber hoses and hose assemblies | 4 |
| BS 5344:1976 | Methods for acceptance tests for rotary and percussive pneumatic tools | TCs |
| BS 5380:1984 | Specification for hydraulic port and stud coupling using O-ring sealing and G-series fastening threads. | 4 |
| BS 5540-3:1978 | Evaluating particulate contamination of hydraulic fluids Part 3: Methods of bottling fluid samples | 6 |
| BS 5540-6:1990 | Evaluating particulate contamination of hydraulic fluids Part 6: Method of calibrating liquid automatic particle-count instruments (using mono-sized latex spheres) | 6 |
| BS 5671:1979 | Guide for commissioning, operation and maintenance of hydraulic turbines | 9 |
| BS 5755:1986 | Dimensions for basic features of fluid power cylinders | 3 |
| BS 6005:1997 | Specification for moulded transparent polycarbonate bowls used in compressed air filters and lubricators | 5 |
| BS 6275-2:1984 | Hydraulic fluid power filter elements Part 2: Methods of test to verify structural integrity | 6 |
| BS 6275-3:1988 | HFP – Filter elements Part 3: Specification for marking | 6 |
| BS 6331-4:1985 | Mounting dimensions for single rod double acting hydraulic cylinders Part 4: Specification for 63 bar series including associated components | 3 |
| BS 6361:1988 | Specification for three-pin plug connectors for electrically controlled fluid power equipment | 5 |
| BS 6525:1984 | Specification for design and construction of reservoirs used in hydraulic fluid power systems | 9 |
| BS 6537:1984 | Staple type connectors for hydraulic fluid power applications | 4 |
| BS 6683:1985 | Guide to installation and use of valves | 5 |
| BS 7388:1991 | Guide for prevention of leaks from hydraulic fluid power systems | 9 |
| BS 7416:1991 | Specification for precision finished seamless cold-drawn low carbon steel tubes for use in hydraulic fluid power systems | 4 |
| BS 7417:1991 | Specification for interface dimensions of flat face O-ring seal hydraulic couplings | 4 |
| BS 7714:2005 | Care and handling of seals for fluid power applications – Guide | 7 |
| BS 8465:2010 | HFP – Monitoring the level of particulate contamination – Comparison membrane technique | 6 |

CEN - European Committee for Standardisation
European standards implemented as British standards (*mandatory*)

| Number | Title | Key |
|--------------------------------|---|------------|
| BS EN 693:2001 | Machine tools - Safety - Hydraulic presses | 9 |
| BS EN 853:1997 +A1:2008 | Rubber hoses and hose assemblies - Wire braid reinforced hydraulic type - Specification | 4 |
| BS EN 854:1997 | Rubber hoses and hose assemblies – Textile reinforced hydraulic type – Specification | 4 |
| BS EN 855:1997 | Plastics hoses and hose assemblies - Thermoplastics textile reinforced hydraulic type - Specification | 4 |
| BS EN 856:1997 | Rubber hoses and hose assemblies - Rubber-covered spiral wire reinforced by hydraulic type - Specification | 4 |
| BS EN 857:1997 | Rubber hoses and hose assemblies - Wire braid reinforced compact type for hydraulic applications - Specification | 4 |
| BS EN 954-1:1997 | Safety of machinery – Safety related parts of control systems Part 1: General principles for design | 9 |
| BS EN 982:1996 +A1:2008 | Safety of machinery - Safety requirements for fluid power systems and their components - Hydraulics | 9 |
| BS EN 983:1996 +A1:2008 | Safety of machinery - Safety requirements for fluid power systems and their components - Pneumatics | 9 |
| BS EN 1037:1996 | Safety of machinery – Prevention of unexpected start-up | 9 |
| BS EN 1050:1997 | Safety of machinery – Principles for risk assessment | 9 |
| BS EN 1088+A1 | Safety of machinery - Interlocking devices associated with guards - Principles for design and selection | 9 |
| BS EN 1360:2005 | Rubber and plastic hoses and hose assemblies for measure fuel dispensing systems – Specification | 4 |
| BS EN 1765:1998 | Rubber hose assemblies for oil suction and discharge services – Specification for the assemblies | 4 |
| BS EN 10226-1:2004 | Pipe threads where pressure tight joints are made on the threads Part 1: Taper external threads and parallel internal threads – Dimensions, tolerances and designation | 4 |
| BS EN 10226-2:2005 | Pipe threads where pressure tight joints are made on the threads Part 2: Taper external and internal threads – Dimensions, tolerances and designation | 4 |
| BS EN 10226-3:2005 | Pipe threads where pressure tight joints are made on the threads Part 3: Verification by means of limit gauges | 4 |
| BS EN 10305-4:2003 | Steel tubes for precision applications – Technical delivery conditions Part 4: Seamless cold drawn tubes for hydraulic and pneumatic power systems | 4 |
| BS EN 10324:2004 | Steel wire and wire products – Hose reinforcement wire | 4 |
| BS EN 12622:2001 | Safety of machine tools - Hydraulic press brakes | 9 |
| BS EN 14359:2006 | Gas-loaded accumulators for Fluid Power applications | 1 |
| BS EN 14489:2005 | Fire-resistant hydraulic fluids - Guidelines for the selection of fluids and the consideration of safety, health and environment hazards | 16 |
| BS EN 14832:2005 | Petroleum and related products - Determination of the oxidation stability and corrosivity of fire-resistant phosphate ester fluids | 16 |
| BS EN 14833:2005 | Petroleum and related products - Determination of the hydrolytic stability of fire-resistant phosphate ester fluids | 16 |
| BS EN 60204-1:2006+ A1:2009 | Safety of machinery – Electrical equipment of machines Part 1: General requirements | 9 |
| BS EN 60617-2:1996 | Graphical symbols for diagram Part 2: Symbol elements, qualifying symbols and other symbols having general application | 9 |

**INTERNATIONAL STANDARDS ORGANISATION
CEN - European Committee for Standardisation
British Standards Institute**

International standards implemented as European and British standards

| <i>Number</i> | <i>Title</i> | <i>Key</i> |
|-----------------------|--|------------|
| BS EN ISO 228-1:2003 | Pipe threads where pressure-tight joints are not made on the threads Part 1: Dimensions, tolerances and designation | 4 |
| BS EN ISO 228-2:2003 | Pipe threads where pressure-tight joints are not made on the threads Part 2: Verification by means of limit gauges | 4 |
| BS EN ISO 1179-1:2008 | Connections for general use and fluid power - Ports and stud ends with ISO 228-1 threads with elastomeric or metal-to-metal sealing Part 1: Threaded ports | 4 |
| BS EN ISO 1179-2:2008 | Connections for general use and fluid power - Ports and stud ends with ISO 228-1 threads with elastomeric or metal-to-metal sealing Part 2: Heavy-duty (S series) and light duty (L series) stud ends with elastomeric sealing (type E) | 4 |
| BS EN ISO 1179-3:2008 | Connections for general use and fluid power - Ports and stud ends with ISO 228-1 threads with elastomeric or metal-to-metal sealing Part 3: Light-duty (L series) stud ends with sealing by O-ring with retaining ring (types G and H) | 4 |
| BS EN ISO 1179-4:2008 | Connections for general use and fluid power - Ports and stud ends with ISO 228-1 threads with elastomeric or metal-to-metal sealing Part 4: Stud ends for general use only with metal-to-metal sealing (type B) | 4 |
| BS EN ISO 1302:2002 | Geometrical product specifications (GPS) - Indication of surface texture in technical product documentation for you to review in light of ISO 6164. | TCs |
| BS EN ISO 1307:2008 | Rubber and plastics hoses - Minimum and maximum inside diameters and tolerances on cut lengths | 4 |
| BS EN ISO 1402:2009 | Rubber and plastics hoses and hose assemblies - hydrostatic testing | 4 |
| BS EN ISO 1403:1997 | Rubber hoses, textile-reinforced for general purpose water applications - specification | 4 |
| BS EN ISO 1746:2001 | Rubber or plastics hoses and tubing - bending tests | 4 |
| BS EN ISO 2398:2008 | Rubber hoses, textile-reinforced for compressed air - specification | 4 |
| BS EN ISO 4259:2006 | Petroleum products - Determination and application of precision data in relation to methods of test | 16 |
| BS EN ISO 4263-1:2004 | Petroleum and related products - Determination of the ageing behaviour of inhibited oils and fluids - TOST test Part 1: Procedure for mineral oils | 16 |
| BS EN ISO 4263-3:2006 | Petroleum and related products - Determination of the ageing behaviour of inhibited oils and fluids - TOST test Part 3: Anhydrous procedure for synthetic hydraulic fluids | 16 |
| BS EN ISO 4263-4:2006 | Petroleum and related products - Determination of the ageing behaviour of inhibited oils and fluids - TOST test Part 4: Procedure of industrial gear oils | 16 |
| BS EN ISO 4404-1:2006 | Petroleum and related products – Determination of the corrosion resistance of fire-resistant hydraulic fluids Part 1: Water-containing fluids | 16 |
| BS EN ISO 4404-2:2003 | Petroleum and related products - Determination of the corrosion resistance of fire-resistant hydraulic fluids Part 2: Non-aqueous fluids | 16 |
| BS EN ISO 4589-2:1999 | Plastics – Determination of burning behaviour by oxygen index Part 2: Ambient temperature test | 4 |
| BS EN ISO 4589-3:1996 | Plastics – Determination of burning behaviour by oxygen index Part 3: Elevated temperature test | 4 |
| BS EN ISO 4671:2007 | Rubber and plastics hoses and hose assemblies - Methods of measurement of dimensions of hoses and length of hose assemblies | 4 |
| BS EN ISO 4672:1999 | Rubber and plastics hoses – Sub-ambient temperature flexibility tests | 4 |
| BS EN ISO 5774:2008 | Plastics hoses – Textile reinforced types for compressed air applications - Specification | 4 |

**INTERNATIONAL STANDARDS ORGANISATION
CEN - European Committee for Standardisation
British Standards Institute**

International standards implemented as European and British standards – continued...

| <i>Number</i> | <i>Title</i> | <i>Key</i> |
|--------------------------------|---|------------|
| BS EN ISO 6149-1:2006 | 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 | 4 |
| BS EN ISO 6149-2:2006 | 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, design, test methods and requirements | 4 |
| BS EN ISO 6149-3:2006 | 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 | 4 |
| BS EN ISO 6224:1997 | Plastics hoses, textile reinforced for general purpose water applications - Specification | 4 |
| BS EN ISO 6743-4:1999 +A1:2001 | Lubricants, industrial oils and related products (class L) – Classification Part 4: Family H (hydraulic systems) | 16 |
| BS EN ISO 6802:2008 | Rubber and plastics hose and hose assemblies with wire reinforcements - Hydraulic impulse test with flexing | 4 |
| BS EN ISO 6803:2008 | Rubber or plastics hoses and hose assemblies - Hydraulic pressure impulse test without flexing | 4 |
| BS EN ISO 6806:1996 | Rubber hoses and hose assemblies for use in oil burners - Specification | 4 |
| BS EN ISO 6808:2001 | Plastics hoses and hose assemblies for suction and low-pressure discharge of petroleum liquids - Specification | 4 |
| BS EN ISO 7233:1995 | Rubber and plastics hoses and hose assemblies – Determination of suction resistance | 4 |
| BS EN ISO 7662:1996 | Rubber and plastics hoses – Determination of abrasion of lining | 4 |
| BS EN ISO 7751:1997 | Rubber and plastics hoses and hose assemblies – Ratios of proof and burst pressure to design working pressure | 4 |
| BS EN ISO 8030:1998 | Rubber and plastics hoses – Method of test for flammability | 4 |
| BS EN ISO 8031:2009 | Rubber and plastics hose and hose assemblies – Determination of electrical resistance and conductivity | 4 |
| BS EN ISO 8032:1999 | Rubber and plastics hose assemblies – Flexing combined with hydraulic impulse test (half-omega test) | 4 |
| BS EN ISO 8033:2006 | Rubber and plastics hoses – Determination of adhesion between components | 4 |
| BS EN ISO 8308:1996 | Rubber and plastics hoses and tubing – Determination of transmission of liquids through hose and tubing walls | 4 |
| BS EN ISO 8330:2008 | Rubber and plastics hoses and hose assemblies - Vocabulary | 4 |
| BS EN ISO 8434-1:2007 | Metallic tube connections for fluid power and general use Part 1: 24° cone connectors | 4 |
| BS EN ISO 8580:1995 | Rubber and plastics hoses – Determination of ultra violet resistance under static conditions | 4 |
| BS EN ISO 9227:2006 | Corrosion tests in artificial atmospheres – Salt spray tests | TCs |
| BS EN ISO 9974-1:2000 | 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 | 4 |
| BS EN ISO 9974-2:2000 | 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) | 4 |
| BS EN ISO 9974-3:2000 | 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) | 4 |
| BS EN ISO 12922:2002 | Lubricants, industrial oils and related products (Class L) - Family H (Hydraulic systems) - Specifications for categories HFAE, HFAS, HFB, HFC, HFDR and HFDU | 16 |

**INTERNATIONAL STANDARDS ORGANISATION
CEN - European Committee for Standardisation
British Standards Institute**

International standards implemented as European and British standards – continued...

| <i>Number</i> | <i>Title</i> | <i>Key</i> |
|----------------------------|--|-------------------|
| BS EN ISO 13849-1: 2008 | Safety of machinery - Safety-related parts of control systems Part 1: General principles for design | 9 |
| BS EN ISO 13849-2: 2008 | Safety of machinery - Safety-related parts of control systems – Part 2: Validation | 9 |
| BS EN ISO 14644-1: 1999 | Cleanliness and associated controlled environments Part 1: Classification of air cleanliness | 6 |
| BS EN ISO 14935:1999 | Petroleum and related products - Determination of wick flame persistence of fire-resistant fluids | 16 |
| BS EN ISO 19879:2010 | Metallic tube connections for fluid power and general use - Test methods for hydraulic fluid power connections | 4 |
| BS EN ISO 20763:2004 | Petroleum and related products - Determination of anti-wear properties of hydraulic fluids - Vane pump method | 16 |
| BS EN ISO 20764:2003 | Petroleum and related products - Preparation of a test portion of high- boiling liquids for the determination of water content - Nitrogen purge method | 16 |
| BS EN ISO 20783-1: 2003 | Petroleum and related products - Determination of emulsion stability of fire- resistant hydraulic fluids Part 1: Fluids in class HFAE | 16 |
| BS EN ISO 20783-2: 2003 | Petroleum and related products - Determination of emulsion stability of fire- resistant hydraulic fluids Part 2: Fluids in class HFB | 16 |
| BS EN ISO 20844:2004 | Petroleum and related products - Determination of the shear stability of polymer-containing oils using a diesel injector nozzle | 16 |

INTERNATIONAL STANDARDS ORGANISATION
International standards implemented as British standards

| Number | Title | Key |
|--|---|------------|
| BS ISO 37:2005 | Rubber, vulcanised or thermoplastic – Determination of tensile stress strain | 4 |
| BS ISO 188:2007 | Rubber, vulcanised or thermoplastic – Accelerated ageing and heat resistance tests | 4 |
| BS ISO 815-1:2008 | Rubber, vulcanised or thermoplastic – Determination of compression set Part 1: At ambient or elevated temperatures | 4 |
| BS ISO 1219-2:1995 | Fluid power systems and components – Graphic symbols and circuit diagrams Part 2 Circuit diagrams | TCs |
| BS ISO 1436:2009+ Corr:2010 | Rubber hoses and hose assemblies – Wire braid reinforced hydraulic types for oil or water-based fluids – Specification | 4 |
| BS ISO 1817:2005 | Rubber vulcanised – Determination of the effect of liquids | 4 |
| BS ISO 2781:2008 | Rubber, vulcanised or thermoplastic – Determination of density | 4 |
| BS ISO 2941:2009 | HFP – Filter elements – Verification of collapse/burst pressure rating | 6 |
| BS ISO 2942:2004 | HFP – Filter elements – Verification of fabrication integrity and determination of the first bubble point | 6 |
| BS ISO 2943:1998 | HFP – Filter elements – Verification of material compatibility with fluids | 6 |
| BS ISO 2944:2000 | Fluid power systems and components – Nominal pressures | TCs |
| BS ISO 3019-1:2001 | HFP – Dimensions and identification code for mounting flanges and shaft ends of displacement pumps and motors Part 1: Inch series shown in metric units | 8 |
| BS ISO 3019-2:2001 | HFP – Dimensions and identification code for mounting flanges and shaft ends of displacement pumps and motors Part 2: Metric series | 8 |
| BS ISO 3322:1985 | Fluid power systems and components – Cylinders – Nominal pressures | 3 |
| BS ISO 3601-1:2008+ Corrigenda:2008 and 2009 | Fluid power systems – O-rings Part 1: Inside diameters, cross-sections, tolerances and designation codes | 7 |
| BS ISO 3601-2:2008 | Fluid Power Systems - O-rings Part 2: Housing dimensions for general applications | 7 |
| BS ISO 3601-3:2005 | Fluid Power Systems - O-rings Part 3: Quality acceptance criteria | 7 |
| BS ISO 3601-4:2008 | Fluid Power Systems - O-rings Part 4: Anti-extrusion rings (back-up rings) | 7 |
| BS ISO 3723:1976 | HFP – Filter elements – Method for end load test | 6 |
| BS ISO 3724:2007 | HFP – Filter elements – Determination of resistance to flow fatigue using particulate contaminant | 6 |
| BS ISO 3862:2009 | Rubber hoses and hose assemblies – Rubber covered spiral wire reinforced hydraulic types for oil or water-based fluids – Specification | 4 |
| BS ISO 3968:2001 | HFP – Filters – Evaluation of differential pressure versus flow characteristics | 6 |
| BS ISO 4079:2009 | Rubber hoses and hose assemblies – Textile reinforced hydraulic types for oil or water-based fluids - Specification | 4 |
| BS ISO 4392-1:2002 | HFP – Determination of characteristics of motors Part 1: At constant low speed and constant pressure | 8 |
| BS ISO 4392-2:2002 | HFP – Determination of characteristics of motors Part 2: Startability | 8 |
| BS ISO 4395:2009+ Corr:2010 | Fluid power systems and components – Cylinder piston rod end types and dimensions | 3 |
| BS ISO 4401:2005 | HFP – Four-port directional control valves – Mounting surfaces | 5 |
| BS ISO 4406:1999 | HFP – Fluids – Method for coding the level of contamination by solid particles | 6 |
| BS ISO 4407:2002 | HFP – Fluid Contamination – Determination of particulate contamination by the counting method using an optical microscope | 6 |
| BS ISO 4409:2007 | HFP – Positive displacement pumps, motors and integral transmissions – Methods of testing and presenting basic steady state performance | 8 |
| BS ISO 4411:2008 | HFP – Valves – Determination of pressure differential/flow characteristics | 4 |
| BS ISO 4413:1998 | HFP – General rules relating to systems | 9 |
| BS ISO 4414:1998 | PFP – General rules relating to systems | 9 |

INTERNATIONAL STANDARDS ORGANISATION
International standards implemented as British standards - continued...

| Number | Title | Key |
|--------------------------------------|---|-----------------------|
| BS ISO 5391:2003 | Pneumatic tools and machines - Vocabulary | TCs |
| BS ISO 5596:1999 | HFP – Gas-loaded accumulators with separator – Ranges of pressures and volumes and characteristic quantities | 1 |
| BS ISO 5597:2010 | HFP – Cylinders – Dimensions and tolerances of housings for single acting piston and rod seals in reciprocating application | 7 |
| BS ISO 5598:2008 | Fluid power systems and components - Vocabulary | TCs |
| BS ISO 5599-1:2001+ Corr 1 | PFP – Five-port directional control valves Part 1: Mounting interface surfaces without electrical connector | 5 |
| BS ISO 5599-2:2001+ A1 and Corr 1 | PFP – Five-port directional control valves Part 2: Mounting interface surfaces with optional electrical connector | 5 |
| BS ISO 5781:2000 | HFP – Pressure reducing valves, sequence valves, unloading valves, throttle valves and check valves – Mounting surfaces | 5 |
| BS ISO 5782-1:1997 | PFP – Compressed air filters Part 1: Main characteristics to be included in supplier's literature and product marking requirements | 5 |
| BS ISO 5782-2:1997 | PFP – Compressed air filters Part 2: Test methods to determine the main characteristics to be included in supplier's literature | 5 |
| BS ISO 6020-1:2007 | HFP – Mounting dimensions for single rod cylinders, 16 MPa (160 bar) series Part 1: Medium series | 3 |
| BS ISO 6020-2:2006+ Corr:2008 | HFP – Mounting dimensions for single rod cylinders, 16 MPa (160 bar) series Part 2: Compact series | 3 |
| BS ISO 6020-3:1994 | HFP – Mounting dimensions for single rod cylinders, 16 MPa (160 bar) series Part 3: Compact series with bores from 250 to 500mm | 3 |
| BS ISO 6022:2006 | HFP – Mounting dimensions for single rod cylinders, 25 MPa (250 bar) series | 3 |
| BS ISO 6072:2002 | HFP – Compatibility between fluids and standard elastomeric materials | 7 16 |
| BS ISO 6099:2009 | Fluid power systems and components – Cylinder – Identification code for mounting dimensions and mounting types | 3 |
| BS ISO 6149-4:2006 | Connections for fluid power and general use – Ports and stud ends with ISO 261 metric threads and O-ring sealing Part 4: Dimensions, design, test methods and requirements for external and internal hex port plugs | 4 |
| BS ISO 6162-1:2002 | HFP – Flange connectors with split or one-piece flange clamps and metric or inch screws – Part 1: Flange connectors for use at pressures of 3,5 MPa (35 bar) to 35 MPa (350 bar), DN 13 to DN 127 | 4 |
| BS ISO 6162-2:2002 | HFP - Flange connectors with split or one-piece flange clamps and metric or inch screws – Part 2: Flange connectors for use at pressures of 35 MPa (350 bar) to 40 MPa (400 bar), DN 13 to DN 127 | 4 |
| BS ISO 6194-1:2007 | Rotary shaft lip-type seals incorporating elastomeric sealing elements Part 1: Nominal dimensions and tolerances | 7 |
| BS ISO 6194-2:2009 | Rotary shaft lip-type seals incorporating elastomeric sealing elements Part 2: Vocabulary | 7 |
| BS ISO 6194-3:2009 | Rotary shaft lip-type seals incorporating elastomeric sealing elements Part 3: Storage, handling and installation | 7 |
| BS ISO 6194-4:2009 | Rotary shaft lip-type seals incorporating elastomeric sealing elements Part 4: Performance test procedures | 7 |
| BS ISO 6194-5:2008 | Rotary shaft lip-type seals incorporating elastomeric sealing elements Part 5: Identification of visual imperfections | 7 |
| BS ISO 6195:2002 | Fluid power systems and components – Cylinder-rod wiper-ring housings in reciprocating applications – Dimensions and tolerances | 7 |
| BS ISO 6264:1998 | HFP – Pressure relief valves – Mounting surfaces | 5 |
| BS ISO 6296:2000 | Methods of test for petroleum and its products – BS 2000-439: Determination of water – Potentiometric Karl Fischer titration method | 16 |
| BS ISO 6301-1:2009 | PFP – Compressed air lubricators Part 1: Main characteristics to be included in supplier's literature and product marking requirements | 5 |

INTERNATIONAL STANDARDS ORGANISATION
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| Number | Title | Key |
|-------------------------------|--|------------|
| BS ISO 6431:1992 | PFP – Single rod cylinders, 1 000 kPa (10 bar) series with detachable mountings, bores from 32 to 320mm – Mounting dimensions | 3 |
| BS ISO 6432:1985 | PFP – Single rod cylinders – 10 bar (1 000 kPa) series – Bores from 8 to 25mm – Mounting dimensions | 3 |
| BS ISO 6547:1981 | HFP – Cylinders – Piston seal housings incorporating bearing rings – Dimensions and tolerances | 7 |
| BS ISO 6605:2002 | HFP – Hoses and hose assemblies – Test methods | 4 |
| BS ISO 6743-1:2002 | Lubricants, industrial oils and related products (class L) – Classification Part 1: Family A (total loss systems) | 16 |
| BS ISO 6743-3:2003 | Lubricants, industrial oils and related products (class L) – Classification Part 3: Family D (compressors) | 16 |
| BS ISO 6743-5:2006 | Lubricants, industrial oils and related products (class L) – Classification Part 5: Family T (turbines) | 16 |
| BS ISO 6743-99:2002 | Lubricants, industrial oils and related products (class L) – Classification Part 99: General | 16 |
| BS ISO 6805:1994 | Rubber hoses and hose assemblies for underground mining – Wire reinforced hydraulic types for coal mining - Specification | 4 |
| BS ISO 6953-1:2000+ Corr 1 | PFP – Compressed air pressure regulators and filter regulators Part 1: Main characteristics to be included in literature from suppliers and product marking requirements | 5 |
| BS ISO 6953-2:2000 | PFP – Compressed air pressure regulators and filter regulators Part 2: Test methods to determine the main characteristics to be included in literature from suppliers | 5 |
| BS ISO 7180:1986 | PFP – Cylinders – Bore and port thread sizes | 3 |
| BS ISO 7181:1991 | HFP – Cylinders – Bore and rod area ratios | 3 |
| BS ISO 7241-2:2000 | HFP – Quick-action couplings Part 2: Test methods | 4 |
| BS ISO 7425-1:1998 | HFP – Housing for elastomer energised plastic faced seals – Dimensions and tolerances Part 1: Piston seal housings | 7 |
| BS ISO 7425-2:1989 | HFP – Housing for elastomer energised plastic faced seals – Dimensions and tolerances Part 2: Rod seal housings | 7 |
| BS ISO 7789:2007 | HFP – Two, three and four-port screw-in cartridge valves - Cavities | 5 |
| BS ISO 7790:1997 | HFP – Four-port modular stack valves and four-port directional control valves, sizes 02, 03 and 0,5 – Clamping dimensions | 5 |
| BS ISO 8068:2006 | Lubricants, industrial oils and elated products (class L) – Family T (turbines) – Specification for lubricating oils for turbines | 16 |
| BS ISO 8131:1992 | HFP – Single rod cylinders 16 MPa (160 bar) compact series – Tolerances | 3 |
| BS ISO 8132:2006 | HFP – Single rod cylinders, 16 MPa (160 bar) medium and 25 MPa (250) bar series – Mounting dimensions for accessories | 3 |
| BS ISO 8133:2006 | HFP – Single rod cylinders, 16 MPa (160 bar) compact series – Mounting dimensions for accessories | 3 |
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| BS ISO 8139:2009 | PFP – Cylinders – 1 000 kPa (10 bar) series – Mounting dimensions of rod end spherical eyes | 3 |
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| BS ISO 8331:2007 | Rubber and plastics hoses and hose assemblies – Guidelines for selection, storage, use and maintenance | 4 |

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| BS ISO 9276-1:1998 | Representation of results of particle size analysis Part 1: Graphical representation | 6 |
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| BS ISO 9276-4:2001 | Representation of results of particle size analysis Part 4: Characterisation of a classification process | 6 |
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| BS ISO 10099:2001 | PFP – Cylinders – Final examination and acceptance criteria | 3 |
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| BS ISO 10762:1997 | HFP – Cylinder mounting dimensions – 10 MPa (100 bar) series | 3 |
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| BS ISO 10767-1:1996 | HFP – Determination of pressure ripple levels generated in systems and components Part 1: Precision method for pumps | 8 |
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| BS ISO 11500:2008 | HFP – Determination of the particulate contamination level of a liquid sample by automatic particle counting using the light-extinction principle | 6 |
| BS ISO 11727:1999 | PFP – Identification of ports and control mechanisms of control valves and other components | 5 |
| BSI ISO 11943:1999 | HFP – On-line automatic particle counting systems for liquids – Methods of calibration and validation | 6 |
| BS ISO 12151-1:2010 | Connections for hydraulic fluid power and general use – Hose fittings Part 1: Hose fittings with ISO 8434-3 O-ring face seal ends | 4 |
| BS ISO 12151-2:2003 | Connections for hydraulic fluid power and general use – Hose fittings Part 2: Hose fittings with ISO 8434-1 and ISO 8434-4 24° cone connector ends with O-rings | 4 |
| BS ISO 12151-3:2010 | Connections for hydraulic fluid power and general use – Hose fittings Part 3: Hose fittings with ISO 6162-1 or ISO 6162-2 flange ends | 4 |
| BS ISO 12151-4:2007 | Connections for hydraulic fluid power and general use – Hose fittings Part 4: Hose fittings with ISO 6149 metric stud ends | 4 |
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| BS ISO 12238:2001 | PFP – Directional control valves – Measurement of shifting time | 5 |
| BS ISO 12500-1:2007 | Filters for compressed air – Test methods Part 1: Oil aerosols | 5 |
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| BS ISO 13226:2005 | Rubber – Standard reference elastomers (SREs) for characterising the effect on vulcanised rubbers | 4 |
| BS ISO 13317-1:2001 | Determination of particle size distribution by gravitational liquid sedimentation methods Part 1: General principles and guidelines | 6 |
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| BS ISO 15171-2:2000 | Connections for fluid power and general use – Hydraulic couplings for diagnostic purposes Part 2: Coupling with M16 x 2 end for connection under pressure | 4 |

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| BS ISO 15380:2002 | Lubricants, industrial oils and related products (class L) – Family H (hydraulic systems) – Specifications for categories HETG, HEPG, HEES and HEPR | 16 |
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| BS ISO 15407-2:2003 | PFP – Five-port directional control valves, sizes 18 and 26mm Part 2: Mounting interface surfaces with optional electrical connector | 5 |
| BS ISO 15552:2004 | PFP – Cylinders with detachable mountings, 1000 kPa (10 bar) series, bores from 32 to 320mm – Basic mounting and accessories dimensions | 3 |
| BS ISO 16028+A1:1999 | HFP – Flush-face type, quick-action couplings for use at pressures of 20 MPa (200 bar) to 31,5 MPa (315 bar) - Specifications | 4 |
| BS ISO 16030+A1:2001 | PFP – Connections – Ports and stud ends | 4 |
| BS ISO 16368:2003 | Mobile elevating work platforms – Design calculations, safety and test methods | 9 |
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| BS ISO 16589-1:2001 | Rotary shaft lip-type seals incorporating thermoplastic sealing elements Part 1: Nominal dimensions and tolerances | 7 |
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| BS ISO 16589-3:2001 | Rotary shaft lip-type seals incorporating thermoplastic sealing elements Part 3: Storage, handling and installation | 7 |
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| BS ISO 18413:2002 | HFP – Cleanliness of parts and components – Inspection document and principles related to contaminant collection, analysis and data reporting | 6 |
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| BS ISO 21287:2004 | PFP – Cylinders – Compact cylinders 1 000 kPa (10 bar) series, bores from 20 to 100mm | 3 |
| BS ISO 23181:2007 | HFP – Filter elements – Determination of resistance to flow fatigue using high viscosity fluid | 6 |
| BS ISO 23297:2008 | Thermoplastics hoses and hose assemblies – Wire or synthetic yarn reinforced single pressure types for hydraulic applications - Specification | 4 |
| BS ISO 23309:2007 | HFP – Assembled systems – Methods of cleaning lines by flushing | 6 |
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| ISO 1219-1:2006 | Fluid Power Systems and Components - Graphic symbols and circuit diagrams Part 1: Graphic symbols for conventional use and data-processing applications | TCs |
| ISO 2230:2002 | Vulcanised rubber – Guide to storage | 4 |
| ISO 2548:1973 | Specification – Acceptance tests for centrifugal, mixed flow and axial pumps Part 1: Class C tests | 8 |
| ISO 2909:2002 | Petroleum products – Calculation of viscosity index from kinematic viscosity | 16 |
| ISO 3019-3:1988 | HFP - Positive displacement pumps and motors - Dimensions and identification code for mounting flanges and shaft ends Part 3: Polygonal flanges (including circular flanges) | 8 |
| ISO 3228:1997 | Rolling bearings – Bearings with spherical outside surface and extended inner ring width Part 3: Specification for dimensions of cast and pressed housings | 4 |
| ISO 3320:1987 | Fluid Power Systems and Components - Cylinder bores and piston rod diameters - Metric series | 3 |
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| ISO 3448:1992 | Classification for viscosity grades of industrial liquid lubricants | 16 |
| ISO 3555:1977 | Specification for acceptance tests for centrifugal mixed flow and axial pumps Part 2: Class B tests | 3 |
| ISO 3601-5:2002 | Fluid Power Systems - O-rings Part 5: Suitability of elastomeric materials for industrial applications | 7 |
| ISO 3662:1976 | HFP - Pumps and motors, geometric displacements | 8 |
| ISO 3722:1976 | HFP - Fluid sample containers - Qualifying and controlling cleaning methods | 6 |
| ISO 3857-1:1977 | Glossary of terms for compressors, pneumatic tools and machines Part 1: General | 9 |
| ISO 3857-3:1979 | Glossary of terms for compressors, pneumatic tools and machines Part 3 Pneumatic tools and machines | 9 |
| ISO 3938:1986 | HFP - Contamination analysis - Method for reporting analysis data | 6 |
| ISO 3939:1977 | Fluid Power Systems and Components - Multiple lip packing sets - Methods for measuring stack heights | 7 |
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| ISO 4021:1992 | HFP - Particulate contamination analysis - Extraction of fluid samples from lines of an operating system | 6 |
| ISO 4263:1986 | Petroleum products – Inhibited mineral oils – Determination of oxidation characteristics | 16 |
| ISO 4263-2:2003 | Petroleum and related products - Determination of the ageing behaviour of inhibited oils and fluids - TOST test Part 2: Procedure for category HFC hydraulic fluids | 16 |
| ISO 4391:1983 | HFP - Pumps, motors and integrated transmissions - Parameter definitions and letter symbols | 8 |
| ISO 4392-3:1993 | HFP - Determination of characteristics of motors Part 3: At constant flow and constant torque | 8 |
| ISO 4393:1978 | Fluid Power Systems and Components - Cylinders - Basic series of piston strokes | 3 |
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| ISO 5599-3:1990 | PFP - Five-port directional control valves Part 3: Code system for communication of valve functions | 5 |
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| ISO 5784-1:1988 | Fluid Power Systems and Components - Fluid logic circuits Part 1: Symbols for binary logic and related functions | 5 |
| ISO 5784-2:1989 | Fluid Power Systems and Components - Fluid logic circuits Part 2: Symbols for supply and exhaust as related to logic symbols | 5 |
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| ISO 6150:1988 | PFP - Cylindrical quick-action couplings for maximum working pressures of 10 bar, 16 bar, 25 bar (1 MPa, 1,6 MPa and 2,5 MPa) - Plug connecting dimensions, specifications, application guidelines and testing | 4 |
| ISO 6164:1994 | HFP - Four-screw, one-piece square-flange connections for use at pressures of 25 MPa and 40 MPa (250 and 400 bar) | 4 |
| ISO 6247:1998 | Petroleum products - Determination of foaming characteristics of lubricating oils | 16 |
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| ISO 6301-2:2006 | PFP - Compressed air lubricators Part 2: Test methods to determine the main characteristics to be included in suppliers' literature | 5 |
| ISO 6358:1989 | PFP - Components using compressible fluids - Determination of flow-rate characteristics | 5 |
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| ISO 6430:1992 | PFP - Single rod cylinders, 1000 kPa (10 bar) series, with integral mountings, bores from 32 mm to 250 mm - Mounting dimensions | 3 |
| ISO 6537:1982 | PFP - Cylinder barrels - Requirements for non-ferrous metallic tubes | 3 |
| ISO 6743-0:1981 | Lubricants, industrial oils and related products (class L) - Classification Part 0: General | 16 |
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| ISO 9110-1:1990 | HFP - Measurement techniques Part 1: General measurement principles | 8 |
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| ISO 9632:1992 | HFP – Fixed displacement pumps – Flow degradation due to classified AC fine test dust contamination – Test method | 8 |
| ISO 10763:1994 | HFP - Plain-end, seamless and welded precision steel tubes - Dimensions and nominal working pressures | 4 |
| ISO 10949:2002 | HFP - Component cleanliness - Guidelines for achieving and controlling cleanliness of components from manufacture to installation | 6 |
| ISO 11340:1994 | Rubber and rubber products – Hydraulic hose assemblies – External leakage classification for hydraulic systems | 4 |
| ISO 11926-1:1995 | Connections for general use and fluid power - Ports and stud ends with ISO 725 threads and O-ring sealing Part 1: Ports with O-ring seal in truncated housing | 4 |
| ISO 11926-2:1995 | Connections for general use and fluid power - Ports and stud ends with ISO 725 threads and O-ring sealing Part 2: Heavy-duty (S series) stud ends | 4 |
| ISO 11926-3:1995 | Connections for general use and fluid power - Ports and stud ends with ISO 725 threads and O-ring sealing Part 3: Light-duty (L series) stud ends | 4 |
| ISO 11237:2010 | Rubber and hoses and hose assemblies - wire braid - reinforced compact types for hydraulic applications - Specifications - Oil and water based fluid applications | 4 |
| ISO 15029-1:1999 | Petroleum and related products - Determination of spray ignition characteristics of fire-resistant fluids Part 1: Spray flame persistence - Hollow-cone nozzle method | 16 |
| ISO 15086-3:2008 | HFP - Determination of fluid borne noise characteristics of components and systems Part 3: Measurement hydraulic impedance | 8 |
| ISO 16031-1:2002 | Aerospace fluid systems - O-rings, inch series - Inside diameters and cross-sections, tolerances and size-identification codes Part 1: Close tolerances for hydraulic systems | 7 |
| ISO 16144:2002 | HFP - Calibration of liquid automatic particle counters - Procedures used to certify the standard reference material SRM 2806 | 6 |
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| ISO 17165-2:2006 | HFP – Hose assemblies Part 2: Recommended practices for hydraulic hose assemblies | 4 |
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