



Department of Trade and Industry

MACHINERY

TRANSPPOSED HARMONISED STANDARDS

The following is a consolidated list of British Standards which are transposed harmonised standards for the purposes of the Supply of Machinery (Safety) Regulations 1992 (as amended) **as at 1 October 2000.**

*** Denotes new information**

BS EN 115 1995	Safety rules for the construction and installation of escalators and passenger conveyors.
BS EN 115/A1 1998	Safety rules for the construction and installation of escalators and passenger conveyors.
BS EN 201 1997	Rubber and plastics machines - Injection moulding machines - Safety requirements.
BS EN 201/A1 2000 *	Rubber and plastics machines - Injection moulding machines - Safety requirements.
BS EN 289 1993	Safety of machinery - Rubber and Plastics machinery - Compression and transfer moulding presses - Safety requirements for design.
BS EN 292-1 1991	Safety of machinery - Basic concepts and general principles for design - Part 1: Basic terminology and methodology.
BS EN 292-2 1991	Safety of machinery - Basic concepts and general principles for design - Part 2: Technical principles and specifications.
BS EN 292-2/A1 1995	Safety of machinery - Basic concepts and general principles for design - Part 2: Technical principles and specifications.
BS EN 294 1992	Safety of machinery - Safety distances to prevent danger zones being reached by the upper limbs.
BS EN 349 1993	Safety of machinery - Minimum gaps to avoid crushing of parts of the human body.
BS EN 415-2 1999 *	Packaging machines - Safety - Part 2: Pre-formed rigid container packaging machines.
BS EN 415-4 1997	Safety of packaging machines - Part 4: Palletisers and depalletisers.
BS EN 418 1992	Safety of machinery - Emergency stop equipment, functional aspects - Principles for design.
BS EN 422 1995	Rubber and plastic machines - Safety - Blow moulding machines intended for the production of hollow articles - Requirements for design and construction.
BS EN 457 1992	Safety of machinery - Auditory danger signals - General requirements, Design and testing. (ISO 7731: 1986 modified).

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BS EN 474-1 1994	Earth-moving machinery - Safety - Part 1: General requirements.
BS EN 474-1/A1 1998	Earth-moving machinery - Safety - Part 1: General requirements.
BS EN 474-2 1996	Earth-moving machinery - Safety - Part 2: Requirements for tractor-dozers.
BS EN 474-3 1996	Earth-moving machinery - Safety - Part 3: Requirements for loaders.
BS EN 474-4 1996	Earth-moving machinery - Safety - Part 4: Requirements for backhoe loaders.
BS EN 474-5 1996	Earth-moving machinery - Safety - Part 5: Requirements for hydraulic excavators.
BS EN 474-6 1996	Earth-moving machinery - Safety - Part 6: Requirements for dumpers.
BS EN 474-7 1998	Earth-moving machinery - Safety - Part 7: Requirements for scrapers.
BS EN 474-8 1998	Earth-moving machinery - Safety - Part 8: Requirements for graders.
BS EN 474-9 1998	Earth-moving machinery - Safety - Part 9: Requirements for pipelayers.
BS EN 474-10 1998	Earth-moving machinery - Safety - Part 10: Requirements for trenchers.
BS EN 474-11 1998	Earth-moving machinery - Safety - Part 11: Requirements for earth and landfill compactors.
BS EN 500-1 1995	Mobile road construction machinery - Safety - Part 1: Common requirements.
BS EN 500-2 1995	Mobile road construction machinery - Safety - Part 2: Specific requirements for road-milling machines.
BS EN 500-3 1995	Mobile road construction machinery - Safety - Part 3: Specific requirements for soil stabilisation machines.
BS EN 500-4 1995	Mobile road construction machinery - Safety - Part 4: Specific requirements for compaction machines.
BS EN 500-5 1995	Mobile road construction machinery - Safety - Part 5: Specific requirements for joint cutters.
BS EN 528 1996	Rail dependent storage and retrieval equipment - Safety.
BS EN 536 1999	Road construction machines - Asphalt mixing plants - Safety requirements.
BS EN 547-1 1996	Safety of machinery - Human body measurements - Part 1: Principles for determining the dimensions required for openings for the whole body access into machinery.

BS EN 547-2 1996	Safety of machinery - Human body measurements - Part 2: Principles for determining the dimensions required for access openings.
BS EN 547-3 1996	Safety of machinery - Human body measurements - Part 3: Anthropometric data.
BS EN 563 1994	Safety of machinery - Temperatures of touchable surfaces - Ergonomics data to establish temperature limit values for hot surfaces.
BS EN 563/A1 1999	Safety of machinery - Temperatures of touchable surfaces - Ergonomics data to establish temperature limit values for hot surfaces.
BS EN 574 1996	Safety of machinery - Two-hand control devices - Functional aspects - Principles for design.
BS EN 608 1994	Agricultural and forestry machinery - Portable chain saws - Safety.
BS EN 609-1 1999	Agricultural and forestry machinery - Safety of log splitters - Part 1: Wedge splitters.
BS EN 609-2 1999	Agricultural and forestry machinery - Safety of log splitters - Part 2: Screw splitters.
BS EN 614-1 1995	Safety of machinery - Ergonomic design principles - Part 1: Terminology and general principles.
BS EN 626-1 1994	Safety of machinery - Reduction of risks to health from hazardous substances emitted by machinery - Part 1: Principles and specifications for machinery manufacturers.
BS EN 626-2 1996	Safety of machinery - Reduction of risk to health from hazardous substances emitted by machinery - Part 2: Methodology leading to verification procedures.
BS EN 627 1995	Specification for data-logging and monitoring of lifts, escalators and passenger conveyors.
BS EN 632 1995	Agricultural machinery - Combine harvesters and forage harvesters - Safety.
BS EN 690 1994	Agricultural machinery - Manure spreaders - Safety.
BS EN 692 1996	Mechanical presses - safety. ¹
BS EN 703 1995	Agricultural machinery - Silage cutters - Safety.
BS EN 704 1999	Agricultural machinery - Pick-up - balers - Safety.
BS EN 706 1996	Safety requirements for agricultural and forestry machinery - Vine shoot tipping machines.
BS EN 707 1999	Agricultural machines - Slurry tankers - Safety.

¹ This publication does not concern presses with full-revolution clutches referred to in Standard EN 692, in paragraphs 5.2.3, 5.3.2, 5.4.6 and 5.5.2 tables 2,3,4 and 5 and Annexes A and B1, in respect of which it grants no presumption of conformity to the provisions of Directive 89/392/EEC.

BS EN 708 1996	Agricultural machines - Soil working machines with powered tools - Safety.
BS EN 708/A1 2000 *	Agricultural machinery - Soil working machines with powered tools - Safety.
BS EN 709 1997	Agricultural and forestry machinery - Pedestrian controlled tractors with mounted rotary cultivators, motor hoes, motor hoes with drive wheel(s) - Safety.
BS EN 709/A1 1999	Machinery for agriculture and forestry - Pedestrian controlled tractors with mounted rotary cultivators, motor hoes, motor hoes with drive wheel(s) - Safety.
BS EN 710 1997	Safety requirements for foundry moulding and coremaking machinery and plants and associated equipment.
BS EN 745 1999	Agricultural machinery - Rotary mowers and flailmowers - Safety.
BS EN 746-1 1997	Industrial thermoprocessing equipment - Part 1: Common safety requirements for industrial thermoprocessing equipment.
BS EN 746-2 1997	Industrial thermoprocessing equipment - Part 2: Safety requirements for combustion and fuel-handling systems.
BS EN 746-3 1997	Industrial thermoprocessing equipment - Part 3: Safety requirements for the generation and use of atmosphere gases.
BS EN 746-4 2000 *	Industrial thermoprocessing equipment - Part 4: Particular safety requirements for hot-dip galvanising thermoprocessing equipment.
BS EN 774 1996	Garden equipment - Hand held, integrally powered hedge trimmers - Safety.
BS EN 774/A1 1997	Garden equipment - Hand held, integrally powered hedge trimmers - Safety.
BS EN 774/A2 1997	Garden equipment - Hand held, integrally powered hedge trimmers - Safety.
BS EN 775 1992	Manipulating industrial robots - Safety. (ISO 10218: 1992, modified).
BS EN 786 1996	Garden equipment - Electrically powered walk-behind and lawn edge trimmers - Mechanical safety.
BS EN 791 1995	Drill rigs - Safety.
BS EN 809 1998	Pumps and pump units for liquids - Common safety requirements.
BS EN 811 1996	Safety of machinery - Safety distances to prevent danger zones being reached by the lower limbs.
BS EN 815 1996	Safety of unshielded tunnel boring machines and rodless shaft boring machines for rock.
BS EN 818-1 1996	Short link chain for lifting purposes - Safety - Part 1: General conditions of acceptance.

BS EN 818-2 1996	Short link chain for lifting purposes - Safety - Part 2: Medium tolerance chain for chain slings - Grade 8.
BS EN 818-4 1996	Short link chain for lifting purposes - Safety - Part 4: Chain slings - Grade 8.
BS EN 836 1997	Garden equipment - Powered lawnmowers - Safety.
BS EN 836/A1 1997	Garden equipment - Powered lawnmowers - Safety.
BS EN 842 1996	Safety of machinery - Visual danger signals - General requirements, design and testing.
BS EN 848-1 1998	Safety of woodworking machines - One side moulding machines with rotating tool - Part 1: Single spindle vertical moulding machines.
BS EN 848-2 1998	Safety of woodworking machines - One side moulding machines with rotating tool - Part 2: Single spindle hand-fed / integrated fed routing machines.
BS EN 848-3 1999	Safety of woodworking machines - One side moulding machines with rotating tool - Part 3: Numerical control (NC) boring machines and routing machines.
BS EN 859 1997	Safety of woodworking machines - Hand-fed surface planing machines.
BS EN 860 1997	Safety of woodworking machines - One side thickness planing machines.
BS EN 861 1997	Safety of woodworking machines - Surface planing and thicknessing machines.
BS EN 869 1997	Safety requirements for high pressure metal diecasting units.
BS EN 894-1 1997	Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 1: General principles for human interactions with displays and control actuators.
BS EN 894-2 1997	Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 2: Displays.
BS EN 907 1997	Agricultural and forestry machinery - Sprayers and liquid fertilizer distributors - Safety.
BS EN 908 1999	Agricultural and forestry machinery - Reel machines for irrigation - Safety.
BS EN 909 1998	Agricultural and forestry machinery - Centre pivot and moving lateral types irrigation machines - Safety.
BS EN 930 1997	Footwear, leather and imitation leather goods manufacturing machines - Roughing, scouring, polishing and trimming machines - Safety requirements.
BS EN 931 1997	Footwear manufacturing machines - Lasting machines - Safety requirements.
BS EN 940 1997	Safety of woodworking machines - Combined woodworking machines.

BS EN 953 1997	Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards.
BS EN 954-1 1996	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design.
BS EN 972 1998	Tannery machines - Reciprocating roller machines - Safety requirements.
BS EN 981 1996	Safety of machinery - System of auditory and visual danger and information signals.
BS EN 982 1996	Safety of machinery - Safety requirements for fluid power systems and their components - Hydraulics.
BS EN 983 1996	Safety of machinery - Safety requirements for fluid power systems and their components - Pneumatics.
BS EN 996 1995	Piling Equipment - Safety requirements.
BS EN 996/A1 1999	Piling equipment - Safety requirements.
BS EN 999 1998	Safety of machinery - The positioning of protective equipment in respect of approach speeds of parts of the human body.
BS EN 1012-1 1996	Compressors and vacuum pumps - Safety requirements - Part 1: Compressors.
BS EN 1012-2 1996	Compressors and vacuum pumps - Safety requirements - Part 2: Vacuum Pumps.
BS EN 1032 1996	Mechanical vibration - Testing of mobile machinery in order to determine the whole-body vibration emission value - General.
BS EN 1032/A1 1998	Mechanical vibration - Testing of mobile machinery in order to determine the whole-body vibration emission value - General - Amendment 1.
BS EN 1033 1995	Hand-arm vibration - Laboratory measurement of vibration at the grip surface of hand-guided machinery - General.
BS EN 1034-3 1999 *	Safety of Machinery - Safety requirements for the design and construction of papermaking and finishing machines - Part 3: Winders and slitters, plying machines.
BS EN 1037 1995	Safety of machinery - Prevention of unexpected start-up.
BS EN 1050 1996	Safety of machinery - Principles for risk assessment.
BS EN 1088 1995	Safety of machinery - Interlocking devices associated with guards - Principles for design and selection.
BS EN 1093-1 1998	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 1: Selection of test methods.
BS EN 1093-3 1996	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 3: Emission rate of a specified pollutant - Bench test method using the real pollutant.

BS EN 1093-4 1996	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 4: Capture efficiency of an exhaust system - Tracer method.
BS EN 1093-6 1998	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 6: Separation efficiency by mass, unducted outlets.
BS EN 1093-7 1998	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 7: Separation efficiency by mass, ducted outlet.
BS EN 1093-8 1998	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 8: Pollutant concentration parameter, test bench method.
BS EN 1093-9 1998	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 9: Pollutant concentration parameter, room method.
BS EN 1114-1 1996	Rubber and plastic machines - Extruders and extrusion lines - Part 1: Safety requirements for extruders.
BS EN 1114-2 1998	Rubber and plastics machines - Extruders and extrusion lines - Part 2: Safety requirements for die-face pelletisers.
BS EN 1127-1 1997	Explosive atmospheres - Explosion prevention and protection - Part 1: Basic concepts and methodology.
BS EN 1152 1994	Tractors and machinery for agriculture and forestry - Guards for power take-off (PTO) drive shafts - Wear and strength tests.
BS EN 1175-1 1998	Safety of industrial trucks - Electrical requirements - Part 1: General requirements for battery-powered trucks.
BS EN 1175-2 1998	Safety of industrial trucks - Electrical requirements - Part 2: General requirements of internal combustion engine powered trucks.
BS EN 1175-3 1998	Safety of industrial trucks - Electrical requirements - Part 3: Specific requirements for the electric power transmission systems of internal combustion engine powered trucks.
BS EN 1265 1999	Noise test code for foundry machines and equipment.
BS EN 1299 1997	Mechanical vibration and shock - Vibration isolation of machines - Information for the application of source isolation.
BS EN 1398 1997	Dock levellers.
BS EN 1417 1996	Rubber and plastics machines - Two roll mills - Safety requirements.
BS EN 1454 1997	Portable, hand-held, internal combustion cutting-off machines - Safety.
BS EN 1459 1999 *	Safety of industrial trucks - Self-propelled variable reach trucks. <i>Warning: Users of the standard EN 1459 are informed that the standard does not cover the risks to which the operator is exposed in the event of the truck accidentally tipping over. The standard does not give a presumption of conformity in that respect.</i>
BS EN 1493 1998	Vehicle lifts.

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BS EN 1495 1997	Lifting platforms - Mast climbing work platforms.
BS EN 1501-1 1998	Refuse collection vehicles and their associated lifting devices - General requirements - Part 1: Rear-end loaded refuse collection vehicles.
BS EN 1525 1997	Safety of industrial trucks - Driverless trucks and their systems.
BS EN 1526 1997	Safety of industrial trucks - Additional requirements for automated functions on trucks.
BS EN 1550 1997	Machine-tools safety - Safety requirements for the design and construction of work holding chucks.
BS EN 1553 1999	Agricultural machinery - Agricultural self-propelled, mounted, semi-mounted and trailed machines - Common safety requirements.
BS EN 1570 1998	Safety requirements for lifting tables.
BS EN 1612-1 1997	Rubber and plastics machines - Reaction moulding machines - Part 1: Safety requirements for metering and mixing units.
BS EN 1672-2 1997	Food processing machinery - Basic concepts - Part 2: Hygiene requirements.
BS EN 1678 1998	Food-processing machinery - Vegetable cutting machines - Safety and hygiene requirements.
BS EN 1679-1 1998	Reciprocating internal combustion engines - Safety - Part 1: Compression ignition engines.
BS EN 1726-1 1999 *	Safety of industrial trucks - Self-propelled trucks up to and including 10 000 kg capacity and industrial tractors with a drawbar pull up to and including 20 000 N - Part 1: General requirements. <i>Warning: Users of the standard EN 1726-1 are informed that the standard does not cover the risks to which the operator is exposed in the event of the truck accidentally tipping over. The standard does not give a presumption of conformity in that respect.</i>
BS EN 1760-1 1997	Safety of machinery - Pressure sensitive protective devices - Part 1: General principles for the design and testing of pressure sensitive mats and pressure sensitive floors.
BS EN 1808 1999	Safety requirements on suspended access equipment - Design calculations, stability criteria, construction - Tests.
BS EN 1837 1999	Safety of machinery - Integral lighting of machines.
BS EN 1845 1998	Footwear manufacturing machines - Footwear moulding machines - Safety requirements.
BS EN 1853 1999	Agricultural machinery - Trailers with tipping body - Safety.
BS EN 1953 1998	Atomising and spraying equipment for coating materials - Safety requirements.
BS EN 1974 1998	Food-processing machinery - Slicing machines - Safety and hygiene requirements.

BS EN ISO 2860 1999	Earth-moving machinery - Minimum access dimensions. (ISO 2860: 1992).
BS EN ISO 2867 1998	Earth-moving machinery - Access Systems. (ISO 2867: 1994).
BS EN ISO 3164 1999	Earth-moving machinery - Laboratory evaluations of protective structures - Specifications for deflection-limiting volume. (ISO 6164: 1995).
BS EN ISO 3411 1999	Earth-moving machinery - Human physical dimensions of operators and minimum operator space envelope. (ISO 3411: 1995).
BS EN ISO 3450 1996	Earth-moving machinery - Braking systems of rubber-tyred machines - Performance requirements and test procedures. (ISO 3450:1995).
BS EN ISO 3457 1995	Earth-moving machinery - Guards and shields - Definitions and specifications. (ISO 3457:1986).
BS EN ISO 3743-1 1995	Acoustics - Determination of sound power levels of noise sources - Engineering methods for small, movable sources in reverberant fields - Part 1: Comparison method for hard-walled test rooms. (ISO 3743-1: 1994).
BS EN ISO 3743-2 1996	Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering methods for small, movable sources in reverberant fields - Part 2: Methods for special reverberation test rooms. (ISO 3743-2:1994).
BS EN ISO 3744 1995	Acoustics - Determination of sound power levels of noise sources using sound pressure - Engineering method in an essentially free field over a reflecting plane. (ISO 3744:1994).
BS EN ISO 3746 1995	Acoustics - Determination of sound power levels of noise sources using sound pressure - Survey method using an enveloping measurement surface over a reflecting plane. (ISO 3746:1995).
BS EN ISO 3767-1 1995	Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 1: Common symbols. (ISO 3767-1:1991).
BS EN ISO 3767-2 1995	Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 2: Symbols for agricultural tractors and machinery. (ISO 3767-2:1991).
BS EN ISO 3767-3 1996	Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 3: Symbols for powered lawn and garden equipment. (ISO 3767-3:1995).
BS EN ISO 3767-4 1995	Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 4: Symbols for forestry machinery. (ISO 3767-4:1993).
BS EN ISO 3767-5 1995	Tractors, machinery for agriculture and forestry, powered lawn and garden equipment - Symbols for operator controls and other displays - Part 5: Symbols for manual portable forestry machinery. (ISO 3767-5:1992).
BS EN ISO 4871 1997	Acoustics - Declaration and verification of noise emission values of machinery and equipment. (ISO 4871:1996).
BS EN ISO 6682 1995	Earth-moving machinery - Zones of comfort and reach for controls. (ISO 6682:1986, including amendment 1:1989).

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BS EN ISO 6683 1999	Earth-moving machinery - Seat belts and seat belt anchorages. (ISO 6683:1981 + Amendment 1: 1990).
BS EN ISO 7235 1995	Acoustics - Measurement procedures for ducted silencers - Insertion loss, flow noise and total pressure loss. (ISO 7235:1991).
BS EN ISO 7250 1997	Basic human body measurements for technological design. (ISO 7250:1996).
BS EN ISO 8230 1997	Safety requirements for dry cleaning machines using perchloroethylene. (ISO 8230:1997).
BS EN ISO 8662-4 1995	Hand-held portable power tools - Measurement of vibrations at the handle - Part 4: Grinders. (ISO 8662-4:1994).
BS EN ISO 8662-6 1995	Hand-held portable power tools - Measurement of vibrations at the handle - Part 6: Impact drills. (ISO 8662-6:1994).
BS EN ISO 8662-7 1997	Hand-held portable power tools - Measurement of vibrations at the handle - Part 7: Wrenches, screwdrivers and nut runners with impact, impulse or ratchet action. (ISO 8662-7:1997).
BS EN ISO 8662-8 1997	Hand-held portable power tools - Measurement of vibrations at the handle - Part 8: Polishers and rotary, orbital and random orbital sanders. (ISO 8662-8:1997).
BS EN ISO 8662-9 1996	Hand-held portable power tools - Measurement of vibrations at the handle - Part 9: Rammers. (ISO 8662-9:1996).
BS EN ISO 8662-12 1997	Hand-held portable power tools - Measurement of vibrations at the handle - Part 12: Saws and files with reciprocating action and saws with oscillating or rotating action. (ISO 8662-12:1997).
BS EN ISO 8662-13 1997	Hand-held portable power tools - Measurement of vibrations at the handle - Part 13: Die grinders. (ISO 8662-13:1997).
BS EN ISO 8662-14 1996	Hand-held portable power tools - Measurement of vibrations at the handle - Part 14: Stone working tools and needle scalars. (ISO 8662-14:1996).
BS EN ISO 9614-1 1995	Acoustics - Determination of sound power levels of noise sources using sound intensity - Part 1: Measurement at discrete points. (ISO 9614:1993).
BS EN ISO 10472-1 1997	Safety requirements for industrial laundry machinery - Part 1: Common requirements. (ISO 10472-1:1997).
BS EN ISO 10472-2 1997	Safety requirements for industrial laundry machinery - Part 2: Washing machines and washer-extractors. (ISO 10472-2:1997).
BS EN ISO 10472-3 1997	Safety requirements for industrial laundry machinery - Part 3: Washing tunnel lines including component machines. (ISO 10472-3:1997).
BS EN ISO 10472-4 1997	Safety requirements for industrial laundry machinery - Part 4: Air dryers. (ISO 10472-4:1997).
BS EN ISO 10472-5 1997	Safety requirements for industrial laundry machinery - Part 5: Flatwork ironers, feeders and folders. (ISO 10472-5:1997).
BS EN ISO 10472-6 1997	Safety requirements for industrial laundry machinery - Part 6: Ironing and fusing presses. (ISO 10472-6:1997).

BS EN ISO 11102-1 1997	Reciprocating internal combustion engines - Handle starting equipment - Part 1: Safety requirements and tests. (ISO 11102-1:1997).
BS EN ISO 11102-2 1997	Reciprocating internal combustion engines - handle starting equipment - Part 2: Method of testing the angle of disengagement. (ISO 11102-2:1997).
BS EN ISO 11111 1995	Safety requirements for textile machinery. (ISO 11111:1995).
BS EN 11145 1994	Optic and optical instruments - Lasers and laser-related equipment - Vocabulary and symbols. (ISO 11145:1994).
BS EN ISO 11200 1995	Acoustics - Noise emitted by machinery and equipment - Guidelines for the use of basic standards for the determination of emission sound pressure levels at work station and at other specified positions. (ISO 11200:1995).
BS EN ISO 11201 1995	Acoustics - Noise emitted by machinery and equipment - Measurement of emission sound pressure levels at a work station and at other specified positions - Engineering method in an essentially free field over a reflecting plane. (ISO 11201:1995).
BS EN ISO 11202 1995	Acoustics - Noise emitted by machinery and equipment - Measurement of emission sound pressure levels at work station and at other specified positions - Survey method <i>in situ</i> . (ISO 11202:1995).
BS EN ISO 11203 1995	Acoustics - Noise emitted by machinery and equipment - Determination of emission sound pressure levels at a work station and at other specified positions from the sound power level. (ISO 11203:1995).
BS EN ISO 11204 1995	Acoustics - Noise emitted by machinery and equipment - Measurement of emission sound pressure levels at a work station and at other specified positions - Method requiring environmental corrections. (ISO 11204: 1995).
BS EN ISO 11546-1 1995	Acoustics - Determination of sound insulation performance of enclosures - Part 1: Measurement under laboratory conditions (for declaration purposes). (ISO 11546-1:1995).
BS EN ISO 11546-2 1995	Acoustics - Determination of sound insulation performance of enclosures - Part 2: Measurement <i>in situ</i> (for acceptance and verification purposes). (ISO 11546-2:1995).
BS EN ISO 11554 1998	Optics and optical instruments - Lasers and laser-related equipment - Test methods for laser beam power, energy and temporal characteristics. (ISO 11554:1998).
BS EN ISO 11681-2 1998	Machinery for forestry - Portable chain-saws - Safety requirements and testing - Part 2: Chain-saws for tree service. (ISO 11681-2:1998).
BS EN ISO 11688-1 1998	Acoustics - Recommended practice for the design of low-noise machinery and equipment - Part 1: Planning. (ISO/TR 11688-1:1995).
BS EN ISO 11691 1995	Acoustics - Measurement of insertion loss of ducted silencers without flow - Laboratory survey method. (ISO 11691:1995).
BS EN ISO 11806 1997	Agricultural and forestry machinery - Portable hand-held combustion engine driven brush cutters and grass trimmers - Safety. (ISO 11806:1997).
BS EN ISO 11957 1996	Acoustics - Determination of sound insulation performance of cabins - Laboratory and <i>in situ</i> measurements. (ISO 11957:1996).

BS EN ISO 12001 1996	Acoustics - Noise emitted by machinery and equipment - Rules for drafting and presentation of a noise test code. (ISO 12001:1996).
BS EN 12077-2 1998	Cranes safety - Requirements for health and safety - Part 2: Limiting and indicating devices.
BS EN 12409 1999	Rubber and plastics machines - Thermoforming machines - Safety requirements.
BS EN 12525 2000 *	Agricultural machinery - Front Loaders - Safety.
BS EN 12547 1999	Centrifuges - Common safety requirements.
BS EN 12549 1999	Acoustics - Noise test code for fastener driving tools - Engineering method.
BS EN 12626 1997	Safety of Machinery - Laser Processing Machines - Safety Requirements. (ISO 11553:1996 modified).
BS EN 12643 1997	Earth moving machinery - Rubber tyred machines - Steering requirements. (ISO 5010:1992, modified).
BS EN 12644-2 2000 *	Cranes - Information for use and testing - Part 2: Marking.
BS EN 13510 2000 *	Earth-moving machinery - Roll-over protective structures - Laboratory tests and performance requirements. (ISO 3471:1994, including Amendment 1:1997 modified).
BS EN ISO 13753 1998	Mechanical Vibration and shock - Hand arm vibration - Method for measuring the vibration transmissibility of resilient materials when loaded by the hand-arm system. (ISO 13753:1998).
BS EN ISO 14982 1998	Agricultural and forestry machines - Electromagnetic compatibility - Test methods and acceptance criteria. (ISO 14982:1998).
BS EN 23741 1991	Acoustics - Determination of sound power levels of noise sources - Precision methods for broad-band sources in reverberation rooms. (ISO 3741:1988).
BS EN 23742 1991	Acoustics - Determination of sound power levels of noise sources - Precision method for discrete-frequency and narrow-band sources in reverberation rooms. (ISO 3742:1988).
BS EN 25136 1993	Acoustics - Determination of sound power radiated into a duct by fans - In-duct method. (ISO 5136: 1990 and technical corrigendum 1 : 1993).
BS EN 28662-1 1992	Hand-held portable power tools - Measurement of vibrations at the handle - Part 1: General. (ISO 8662-1:1988).
BS EN 28662-2 1994	Hand-held portable power tools - Measurement of vibrations at the handle - Part 2: Chipping hammers and riveting hammers. (ISO 8662-2:1992).
BS EN 28662-2/A1 1995	Hand-held portable power tools - Measurement of vibrations at the handle - Part 2: Chipping hammers and riveting hammers. (ISO 8662-2:1992).
BS EN 28662-3 1994	Hand-held portable power tools - Measurement of vibrations at the handle - Part 3: Rock drills and rotary hammers. (ISO 8662-3:1992).

BS EN 28662-3/AI 1995	Hand-held portable power tools - Measurement of vibrations at the handle - Part 3: Rock drills and rotary hammers. (ISO 8662-3:1992).
BS EN 28662-5 1994	Hand-held portable power tools - Measurement of vibrations at the handle - Part 5: Pavement breakers and hammers for construction work. (ISO 8662-5:1992).
BS EN 28662-5/AI 1995	Hand-held portable power tools. Measurement of vibrations at the handle - Part 5: Pavement breakers and hammers for construction work. (ISO 8662- 5:1992).
BS EN 30326-1 1994	Mechanical vibrations - Laboratory methods for evaluating vehicle seat vibration - Part 1: Basic requirements. (ISO 10326-1:1992).
BS EN 31252 1994	Laser and laser-related equipment - Laser device - Minimum requirements for documentation. (ISO 11252:1993).
BS EN 31253 1994	Laser and laser-related equipment - Laser device - Mechanical interfaces. (ISO 11253:1993).
BS EN 50144-1 1998	Safety of hand-held electric motor operated tools - Part 1: General requirements.
BS EN 50144-2-1 1999 *	Safety of hand-held electric motor operated tools - Part 2-1: Particular requirements for drills.
BS EN 50144-2-2 1999 *	Safety of hand-held electric motor operated tools - Part 2-2: Particular requirements for screwdrivers and impact wrenches.
BS EN 50144-2-4 1999 *	Safety of hand-held electric motor operated tools - Part 2-4: Particular requirements for sanders.
BS EN 50144-2-5 1999 *	Safety of hand-held electric motor operated tools - Part 2-5: Particular requirements for circular saws and circular knives.
BS EN 50144-2-17 2000 *	Safety of hand-held electric motor operated tools - Part 2-17: Particular requirements for routers.
BS EN 50144-2-18 2000 *	Safety of hand-held electric motor operated tools - Part 2-18: Particular requirements for laminate trimmers.
BS EN 60204-1 1992	Safety of machinery - Electrical equipment of machines - Part 1: General requirements.
BS EN 60204-1 1997 *	Safety of machinery - Electrical equipment of machines - Part 1: General requirements. (IEC 60204-1:1997). <i>Warning: The presumption of conformity, conferred by standard EN 60204-1 of 1992 ends on 1 July 2001.</i>
BS EN 60204-31 1998	Safety of machinery - Electrical equipment of machines - Part 31: Particular requirements for sewing machines, units and systems. (IEC 60204-31:1996 - Modified).
BS EN 60204-32 1998	Safety of machinery - Electrical equipment of machines - Part 32: Requirements for hoisting machines. (IEC 60204-32:1998).
BS EN 60335-1 1994	Safety of household and similar electrical appliances - Part 1: General requirements. (IEC 60335-1:1991 - Modified).
BS EN 60335-1/A1 1996	Safety of household and similar electrical appliances - Part 1: General requirements. (IEC 60335-1:1991/A1: 1994 - Modified).

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BS EN 60335-1/A11 1995	Safety of household and similar electrical appliances - Part 1: General requirements.
BS EN 60335-1/A12 1996	Safety of household and similar electrical appliances - Part 1: General requirements.
BS EN 60335-1/A13 1998	Safety of household and similar electrical appliances - Part 1: General requirements.
BS EN 60335-1/A14 1998	Safety of household and similar electrical appliances - Part 1: General requirements.
BS EN 60335-2-64 2000 *	Safety of household and similar electrical appliances - Part 2-64: Particular requirements for commercial electric kitchen machines. (IEC 60335-2-6:1997 - Modified).
BS EN 60335-2-72 1998	Safety of household and similar electrical appliances - Part 2: Particular requirements for automatic machines for floor treatment for commercial and industrial use. (IEC 60335-2-72:1995 - Modified).
BS EN 61310-1 1995	Safety of machinery - Indication, marking and actuation - Part 1: Requirements for visual, auditory and tactile signals. (IEC 61310-1:1995).
BS EN 61310-2 1995	Safety of machinery - Indication, marking and actuation - Part 2: Requirements for marking. (IEC 61310-2:1995).
BS EN 61310-3 1999	Safety of machinery - Indication, marking and actuation - Part 3: Requirements for the location and operation of actuators. (IEC 61310-3:1999).
BS EN 61496-1 1997	Safety of machinery - Electro-sensitive protective equipment - Part 1: General requirements and tests. (IEC 61496-1:1997).

The above standards transpose Harmonised Standards which have been published in the *Official Journal of the European Communities*. Machinery manufactured in conformity with transposed harmonised standards will be presumed to comply with the essential safety requirements, as set out in the Regulations (as amended), covered by those standards.

Copies of standards can be purchased from BSI, 389 Chiswick High Road, Chiswick, London W4 4AL (tel: 020 8996 9000).

Copies of the Supply of Machinery (Safety) Regulations (SI 1992/3073) and the amending Regulations (SI 1994/2063) are available from The Stationery Office and an explanatory booklet *Product standards - Machinery* is available from DTI's Publications Orderline on 0870 1502 500. Further copies of this list are also available from the Orderline.

Standards & Technical Regulations Directorate
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