



TRANPOSED 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 June 2004.**

EN 81-3:2000	Safety rules for the construction and installation of lifts - Part 3: Electric and hydraulic service lifts.
EN 115:1995	Safety rules for the construction and installation of escalators and passenger conveyors.
EN 115.A1:1998	Safety rules for the construction and installation of escalators and passenger conveyors - Amendment 1
EN 201:1997	Rubber and plastics machines - Injection moulding machines - Safety requirements
EN 201.A1:2000	Rubber and plastics machines - Injection moulding machines - Safety requirements - Amendment 1
EN 280:2001	Mobile elevating work platforms - Design calculations, stability criteria, construction - Safety, examinations and tests
EN 289:1993	Rubber and plastics machinery - Compression and transfer moulding presses - Safety requirements for the design
EN 292-1:1991	Safety of machinery - Basic concepts, general principles for design - Part 1 : Basic terminology, methodology
EN 292-2:1991	Safety of machinery - Basic concepts, general principles for design - Part 2 : Technical principles and specifications
EN 292-2/A1:1995	Safety of machinery - Basic concepts, general principles for design - Part 2 : Technical principles and specifications - Amendment 1
EN 294:1992	Safety of machinery - Safety distance to prevent danger zones being reached by the upper limbs
EN 349:1993	Safety of machinery - Minimum gaps to avoid crushing of parts of the human body
EN 415-1:2000	Safety of packaging machines - Part 1 : Terminology and classification of packaging machines and associated equipment
EN 415-2:1999	Packaging machines Safety - Part 2: Pre-formed rigid container packaging machines
EN 415-3:1999	Safety of packaging machines - Part 3: Form, fill and seal machines.
EN 415-4:1997	Safety of packaging machines - Part 4: Palletisers and depalletisers
EN 418:1992	Safety of machinery - Emergency stop equipment, functional aspects - Principles for design
EN 422:1995	Rubber and plastics machines - Safety - Blow moulding machines intended for the production of hollow articles - Requirements for the design and construction
EN 453:2000	Food processing machinery - Dough mixers - Safety and hygiene requirements.

EN 454:2000	Food processing machinery - Planetary mixers - Safety and hygiene requirements.
EN 457:1992	Safety of machinery - Auditory danger signals - General requirements, design and testing (ISO 7731:1986, modified)
EN 474-1:1994	Earth-moving machinery - Safety - Part 1: General requirements
EN 474-1/A1:1998	Earth-moving machinery - Safety - Part 1: General requirements – Amendment 1
EN 474-2:1996	Earth-moving machinery - Safety - Part 2: Requirements for tractor-dozers
EN 474-3:1996	Earth-moving machinery - Safety - Part 3: Requirements for loaders
EN 474-4:1996	Earth-moving machinery - Safety - Part 4: Requirements for backhoe loaders
EN 474-5:1996	Earth-moving machinery - Safety - Part 5: Requirements for hydraulic excavators
EN 474-6:1996	Earth-moving machinery - Safety - Part 6: Requirements for dumpers
EN 474-7:1998	Earth-moving machinery - Safety - Part 7: Requirements for scrapers
EN 474-8:1998	Earth-moving machinery - Safety - Part 8: Requirements for graders
EN 474-9:1998	Earth-moving machinery - Safety - Part 9: Requirements for pipelayers
EN 474-10:1998	Earth-moving machinery - Safety - Part 10: Requirements for trenchers
EN 474-11:1998	Earth-moving machinery - Safety - Part 11: Requirements for earth and landfill compactors
EN 500-1:1995	Mobile road construction machinery - Safety - Part 1 : Common requirements
EN 500-2:1995	Mobile road construction machinery - Safety - Part 2 : Specific requirements for road-milling machines
EN 500-3:1995	Mobile road construction machinery - Safety - Part 3 : Specific requirements for soil stabilisation machines
EN 500-4:1995	Mobile road construction machinery - Safety - Part 4 : Specific requirements for compaction machines
EN 528:1996	Rail dependent storage and retrieval equipment - Safety
EN 528/A1:2002	Rail dependent storage and retrieval equipment – Safety - Amendment 1
EN 536:1999	Road construction machines - Asphalt mixing plants - Safety requirements
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
EN 547-2:1996	Safety of machinery - Human body measurements - Part 2: Principles for determining the dimensions required for access openings
EN 547-3:1996	Safety of machinery - Human body measurements - Part 3: Anthropometric data
EN 563:1994	Safety of machinery - Temperatures of touchable surfaces - Ergonomics data to establish temperature limit values for hot surfaces
EN 563/A1:1999	Safety of machinery - Temperatures of touchable surfaces - Ergonomics data to establish temperature limit values for hot surfaces - Amendment 1
EN 574:1996	Safety of machinery - Two-hand control devices - Functional aspects - Principles for design
EN 608:1994	Agricultural and forestry machinery - Portable chain saws - Safety

EN 609-1:1999	Agricultural and forestry machinery - Safety of log splitters - Part 1: Wedge splitters
EN 609-2:1999	Agricultural and forestry machinery - Safety of log splitters - Part 2: Screw splitters
EN 614-1:1995	Safety of machinery - Ergonomic design principles - Part 1: Terminology and general principles
EN 614-2:2000	Safety of machinery - Ergonomic design principles - Part 2: Interactions between the design of machinery and work tasks.
EN 617:2001	Continuous handling equipment and systems - Safety and EMC requirements for the equipment for the storage of bulk materials in silos, bunkers, bins and hoppers
EN 618:2002	Continuous handling equipment and systems - Safety and EMC requirements for equipment for mechanical handling of bulk materials except fixed belt conveyors
EN 619:2002	Continuous handling equipment and systems – Safety and EMC requirements for equipment for mechanical handling of unit loads.
EN 620:2002	Continuous handling equipment and systems - Safety and EMC requirements for fixed belt conveyors for bulk materials
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
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
EN 627:1995	Specification for data logging and monitoring of lifts, escalators and passenger conveyors
EN 632:1995	Agricultural machinery - Combine harvesters and forage harvesters - Safety
EN 690:1994	Agricultural machinery - Manure spreaders - Safety.
EN 692:1996	Mechanical presses - Safety. <i>Warning : 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 98/37/EC.</i>
EN 693:2001	Machine tools - Safety - Hydraulic presses.
EN 704:1999	Agricultural machinery - Pick-up balers - Safety
EN 706:1996	Safety requirements for agricultural and forestry machinery - Vine shoot tipping machines
EN 707:1999	Agricultural machinery - Slurry tankers - Safety
EN 708:1996	Agricultural machinery - Soil working machines with powered tools - Safety
EN 708/A1:2000	Agricultural machinery - Soil working machines with powered tools - Safety - Amendment 1
EN 709:1997	Agricultural and forestry machinery - Pedestrian controlled tractors with mounted rotary cultivators, motor hoes, motor hoes with drive wheel(s) - Safety
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 - Amendment 1

EN 710:1997	Safety requirements for foundry moulding and coremaking machinery and plant and associated equipment
EN 741:2000	Continuous handling equipment and systems - Safety requirements for systems and their components for pneumatic handling of bulk materials.
EN 745:1999	Agricultural machinery - Rotary mowers and flail-mowers - Safety
EN 746-1:1997	Industrial thermoprocessing equipment - Part 1: Common safety requirements for industrial thermoprocessing equipment
EN 746-2:1997	Industrial thermoprocessing equipment - Part 2: Safety requirements for combustion and fuel handling systems
EN 746-3:1997	Industrial thermoprocessing equipment - Part 3: Safety requirements for the generation and use of atmosphere gases
EN 746-4:2000	Industrial thermoprocessing equipment - Part 4: Particular safety requirements for hot dip galvanising thermoprocessing equipment
EN 746-5:2000	Industrial thermoprocessing equipment - Part 5: Particular safety requirements for salt bath thermoprocessing equipment.
EN 746-8:2000	Industrial thermoprocessing equipment - Part 8: Particular safety requirements for quenching equipment.
EN 774:1996	Garden equipment - Hand held, integrally powered hedge trimmers - Safety
EN 774/A1:1997	Garden equipment - Hand held, integrally powered hedge trimmers - Safety - Amendment 1
EN 774/A2:1997	Garden equipment - Hand held, integrally powered hedge trimmers - Safety - Amendment 2
EN 774/A3:2001	Garden equipment - Hand held, integrally powered hedge trimmers - Safety - Amendment 3
EN 775:1992	Manipulating industrial robots - Safety (ISO 10218:1992, modified)
EN 786:1996	Garden equipment - Electrically powered walk-behind and lawn edge trimmers - Mechanical safety
EN 786/A1:2001	Garden equipment - Electrically powered walk- behind and hand-held lawn trimmers and lawn edge trimmers - Mechanical safety - Amendment 1
EN 791:1995	Drill rigs - Safety
EN 792-1:2000	Hand-held non-electric power tools - Safety requirements - Part 1: Assembly power tools for non-threaded mechanical fasteners.
EN 792-2:2000	Hand-held non-electric power tools - Safety requirements - Part 2: Cutting-off and crimping power tools.
EN 792-3:2000	Hand-held non-electric power tools - Safety requirements - Part 3: Drills and tappers.
EN 792-4:2000	Hand-held non-electric power tools - Safety requirements - Part 4: Non-rotary percussive power tools.
EN 792-5:2000	Hand-held non-electric power tools - Safety requirements - Part 5: Rotary percussive drills.
EN 792-6:2000	Hand-held non-electric power tools - Safety requirements - Part 6: Assembly power tools for threaded fasteners.
EN 792-7:2001	Hand-held non-electric power tools - Safety requirements - Part 7: Grinders
EN 792-8:2001	Hand-held non-electric power tools - Safety requirements - Part 8: Polishers and sanders

EN 792-9:2001	Hand-held non-electric power tools - Safety requirements - Part 9: Die grinders
EN 792-10:2000	Hand-held non-electric power tools - Safety requirements - Part 10: Compression power tools.
EN 792-11:2000	Hand-held non-electric power tools - Safety requirements - Part 11: Nibblers and shears.
EN 792-12:2000	Hand-held non-electric power tools - Safety requirements - Part 12: Small circular, small oscillating and reciprocating saws.
EN 792-13:2000	Hand-held non-electric power tools - Safety requirements - Part 13: Fastener driving tools.
EN 809:1998	Pumps and pump units for liquids - Common safety requirements
EN 811:1996	Safety of machinery - Safety distances to prevent danger zones being reached by the lower limbs
EN 815:1996	Safety of unshielded tunnel boring machines and rodless shaft boring machines for rock
EN 818-1:1996	Short link chain for lifting purposes - Safety - Part 1: General conditions of acceptance
EN 818-2:1996	Short link chain for lifting purposes - Safety - Part 2: Medium tolerance chain for chain slings - Grade 8
EN 818-3:1999	Short link chain for lifting purposes - Safety - Part 3: Medium tolerance chain for chain slings - Grade 4.
EN 818-4:1996	Short link chain for lifting purposes - Safety - Part 4: Chain slings - Grade 8
EN 818-5:1999	Short link chain for lifting purposes - Safety - Part 5: Chain slings - Grade 4.
EN 818-6:2000	Short link chain for lifting purposes - Safety - Part 6: Chain slings - Specification for information for use and maintenance to be provided by the manufacturer.
EN 818-7:2002	Short link chain for lifting purposes - Safety - Part 7: Fine tolerance chain for hoists, Grade T (Types T, DT and DAT)
EN 836:1997	Garden equipment - Powered lawnmowers - Safety
EN 836/A1:1997	Garden equipment - Powered lawnmowers - Safety - Amendment 1
EN 836/A2:2001	Garden equipment - Powered lawnmowers - Safety - Amendment 2
EN 842:1996	Safety of machinery - Visual danger signals - General requirements, design and testing
EN 848-1:1998	Safety of woodworking machines - One side moulding machines with rotating tool - Part 1: Single spindle vertical moulding machines
EN 848-1/A1:2000	Safety of woodworking machines - One side moulding machines with rotating tool - Part 1: Single spindle vertical moulding machines - Amendment 1
EN 848-2:1998	Safety of woodworking machines - One side moulding machines with rotating tool - Part 2: Single spindle handfed.integrated fed routing machines
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
EN 859:1997	Safety of woodworking machines - Handfed surface planing machines
EN 860:1997	Safety of woodworking machines - One side thickness planing machines
EN 861:1997	Safety of woodworking machines - Surface planing and thicknessing machines

EN 869:1997	Safety requirements for high pressure metal diecasting units
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
EN 894-2:1997	Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 2: Displays
EN 894-3:2000	Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 3: Control actuators.
EN 907:1997	Agricultural and forestry machinery - Sprayers and liquid fertiliser distributors - Safety
EN 908:1999	Agricultural and forestry machinery - Reel machines for irrigation - Safety
EN 909:1998	Agricultural and forestry machinery - Centre pivot and moving lateral types irrigation machines - Safety
EN 930:1997	Footwear, leather and imitation leather goods manufacturing machines - Roughing, scouring, polishing and trimming machines - Safety requirements
EN 931:1997	Footwear manufacturing machines - Lasting machines - Safety requirements
EN 940:1997	Safety of woodworking machines - Combined woodworking machines
EN 953:1997	Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards
EN 954-1:1996	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design
EN 972:1998	Tannery machines - Reciprocating roller machines - Safety requirements
EN 981:1996	Safety of machinery - System of auditory and visual danger and information signals
EN 982:1996	Safety of machinery - Safety requirements for fluid power systems and their components - Hydraulics
EN 983:1996	Safety of machinery - Safety requirements for fluid power systems and their components - Pneumatics
EN 996:1995	Piling equipment - Safety requirements
EN 996/A1:1999	Piling equipment - Safety requirements - Amendment 1
EN 996/A2:2003	Piling equipment - Safety requirements - Amendment 2
EN 999:1998	Safety of machinery - The positioning of protective equipment in respect of approach speeds of parts of the human body
EN 1005-1:2001	Safety of machinery - Human physical performance - Part 1: Terms and definitions
EN 1005-2:2003	Safety of machinery - Human physical performance - Part 2: Manual handling of machinery and component parts of machinery
EN 1005-3:2002	Safety of machinery - Human physical performance - Part 3: Recommended force limits for machinery operation
EN 1010-3:2002	Safety of machinery – Safety requirements for the design and construction of printing and paper converting machines – Part 3: Cutting machines
EN 1012-1:1996	Compressors and vacuum pumps - Safety requirements - Part 1: compressors
EN 1012-2:1996	Compressors and vacuum pumps - Safety requirements - Part 2: Vacuum Pumps

EN 1028-1:2002	Fire-fighting pumps – Fire-fighting centrifugal pumps with primer – Part 1: Classification – General and safety requirements
EN 1028-2:2002	Fire-fighting pumps – Fire-fighting centrifugal pumps with primer – Part 2: Verification of general and safety requirements
EN 1032:1996	Mechanical vibration - Testing of mobile machinery in order to determine the whole-body vibration emission value - General
EN 1032/A1:1998	Mechanical vibration - Testing of mobile machinery in order to determine the whole-body vibration emission value - General - Amendment 1
EN 1033:1995	Hand-arm vibration - Laboratory measurement of vibration at the grip surface of hand-guided machinery - General
EN 1034-3:1999	Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines - Part 3: Winders and slitters, plying machines
EN 1037:1995	Safety of machinery - Prevention of unexpected start-up
EN 1050:1996	Safety of machinery - principles for risk assessment
EN 1088:1995	Safety of machinery - Interlocking devices associated with guards - Principles for design and selection
EN 1093-1:1998	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 1: Selection of test methods
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
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
EN 1093-6:1998	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 6: Separation efficiency by mass, unducted outlet
EN 1093-7:1998	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 7: Separation efficiency by mass, ducted outlet
EN 1093-8:1998	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 8: Pollutant concentration parameter, test bench method
EN 1093-9:1998	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 9: Pollutant concentration parameter, room method
EN 1093-11:2001	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 11 : Decontamination index
EN 1114-1:1996	Rubber and plastics machines - Extruders and extrusion lines - Part 1: Safety requirements for extruders
EN 1114-2:1998	Rubber and plastics machines - Extruders and extrusion lines - Part 2: Safety requirements for die face pelletisers
EN 1114-3:2001	Rubber and plastics machines - Extruders and extrusion lines - Part 3: Safety requirements for haul-offs.
EN 1127-1:1997	Explosive atmospheres - Explosion prevention and protection - Part 1: Basic concepts and methodology
EN 1152:1994	Tractors and machinery for agriculture and forestry - Guards for power take-off (PTO) drive shafts - Wear and strength tests.

EN 1175-1:1998	Safety of industrial trucks - Electrical requirements - Part 1: General requirements for battery powered trucks
EN 1175-2:1998	Safety of industrial trucks - Electrical requirements - Part 2: General requirements of internal combustion engine powered trucks
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
EN 1218-1:1999	Safety of woodworking machines - Tenoning machines - Part 1: Single end tenoning machines with sliding table.
EN 1218-3:2001	Safety of woodworking machines - Tenoning machines - Part 3 : Hand fed tenoning machines with sliding table for cutting structural timbers
EN 1248:2001	Foundry machinery - Safety requirements for abrasive blasting equipment
EN 1265:1999	Noise test code for foundry machines and equipment
EN 1299:1997	Mechanical vibration and shock - Vibration isolation of machines - Information for the application of source isolation
EN 1374:2000	Agricultural machinery - Silo stationary unloaders for round silos - Safety.
EN 1398:1997	Dock levellers
EN 1417:1996	Rubber and plastics machines - Two-roll mills - Safety requirements
EN 1454:1997	Portable, hand-held, internal combustion cutting-off machines - Safety
EN 1459:1998	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>
EN 1492-1:2000	Textile slings - Safety - Part 1: Specification for flat woven webbing slings, made of man-made fibres, for general purpose use.
EN 1492-2:2000	Textile slings - Safety - Part 2: Specification for roundslings , made of man-made fibres, for general purpose use.
EN 1493:1998	Vehicle lifts
EN 1494:2000	Mobile or movable jacks and associated lifting equipment.
EN 1495:1997	Lifting platforms - Mast climbing work platforms. <i>Warning : "This publication does not concern paragraph 5.3.2.4, the last subparagraph of 7.1.2.12, table 8 and figure 9 of standard EN 1495:1997, in respect of which it grants no presumption of conformity to the provisions of Directive 98/37/EC."</i>
EN 1501-1:1998	Refuse collection vehicles and their associated lifting devices - General requirements and safety requirements - Part 1: Rear-end loaded refuse collection vehicles
EN 1525:1997	Safety of industrial trucks - Driverless trucks and their systems
EN 1526:1997	Safety of industrial trucks - Additional requirements for automated functions on trucks
EN 1539:2000	Dryers and ovens, in which flammable substances are released - Safety requirements.
EN 1547:2001	Industrial thermoprocessing equipment - Noise test code for industrial thermoprocessing equipment including its ancillary handling equipment
EN 1550:1997	Machine-tools safety - Safety requirements for the design and construction of work holding chucks
EN 1551:2000	Safety of industrial trucks - Self-propelled trucks over 10 000 kg capacity

EN 1552:2003	Underground mining machines - Mobile extracting machines at the face - Safety requirements for shearer loaders and plough systems
EN 1553:1999	Agricultural machinery - Agricultural self-propelled, mounted, semi-mounted and trailed machines - Common safety requirements
EN 1570:1998	Safety requirements for lifting tables
EN 1612-1:1997	Rubber and plastics machines - Reaction moulding machines - Part 1: Safety requirements for metering and mixing units
EN 1612-2:2000	Rubber and plastics machines - Reaction moulding machines - Part 2: Safety requirements for reaction moulding plant.
EN 1672-2:1997	Food processing machinery - Basic concepts - Part 2: Hygiene requirements
EN 1673:2000	Food processing machinery - Rotary rack ovens - Safety and hygiene requirements.
EN 1674:2000	Food processing machinery -Dough and pastry brakes - Safety and hygiene requirements.
EN 1677-1:2000	Components for slings - Safety - Part 1: Forged steel components, Grade 8
EN 1677-2:2000	Components for slings - Safety - Part 2: Forged steel lifting hooks with latch, Grade 8
EN 1677-3:2001	Components for slings - Safety - Part 3: Forged steel self-locking hooks - Grade 8
EN 1677-4:2000	Components for slings - Safety - Part 4: Links, Grade 8.
EN 1677-5:2001	Components for slings - Safety - Part 5: Forged steel lifting hooks with latch - Grade 4.
EN 1677-6:2001	Components for slings - Safety - Part 6: Links - Grade 4.
EN 1678:1998	Food processing machinery - Vegetable cutting machines - Safety and hygiene requirements
EN 1679-1:1998	Reciprocating internal combustion engines - Safety - Part 1: Compression ignition engines
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>
EN 1726-2:2000	Safety of industrial trucks - Self –propelled trucks up to and including 10 000 kg capacity and tractors with a drawbar pull up to and including 20 000 N - Part 2: Additional requirements for trucks with elevating operator position and trucks specifically designed to travel with elevated loads.
EN 1755:2000	Safety of Industrial Trucks - Operation in potentially explosive atmospheres - Use in flammable gas, vapour mist and dust.
EN 1756-1:2001	Tail lifts - Platform lifts for mounting on wheeled vehicles - Safety requirements - Part 1: Tail lifts for goods
EN 1757-1:2001	Safety of industrial trucks - Pedestrian controlled trucks - Part 1: Stacker trucks
EN 1757-2:2001	Safety of industrial trucks - Pedestrian controlled trucks - Part 2 : Pallet trucks

- 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
- EN 1760-2:2001** Safety of machinery - Pressure sensitive protective devices - Part 2: General principles for the design and testing of pressure sensitive edges and pressure sensitive bars.
- EN 1804-1:2001** Machines for underground mines - Safety requirements for hydraulic powered roof supports - Part 1: Support units and general requirements
- EN 1804-2:2001** Machines for underground mines - Safety requirements for hydraulic powered roof supports - Part 2: Power set legs and rams
- EN 1807:1999** Safety of woodworking machines - Band sawing machines.
- EN 1808:1999** Safety requirements on suspended access equipment - Design calculations, stability criteria, construction - Tests
- EN 1834-2:2000** Reciprocating internal combustion engines - Safety requirements for design and construction of engines for use in potentially explosive atmospheres - Part 2: Group I engines for use in underground workings susceptible to firedamp and/or combustible dust.
- EN 1837:1999** Safety of machinery - Integral lighting of machines
- EN 1845:1998** Footwear manufacturing machines - Footwear moulding machines - Safety requirements
- EN 1846-2:2001** Firefighting and rescue service vehicles - Part 2 : Common requirements - Safety and performance
- EN 1846-3:2002** Firefighting and rescue service vehicles – Part 3: Permanently installed equipment – Safety and performance
- EN 1853:1999** Agricultural machinery - Trailers with tipping body - Safety
- EN 1870-1:1999** Safety of woodworking machines - Circular sawing machines - Part 1: Circular saw benches (with and without sliding table) and dimension saws.
- EN 1870-2:1999** Safety of woodworking machines – Circular sawing machines – Part 2: Horizontal beam panel saws and vertical panel saws
- EN 1870-3:2001** Safety of woodworking machines - Circular sawing machines - Part 3: Down cutting cross-cut saws and dual purpose down cutting circular saw benches
- EN 1870-4:2001** Safety of woodworking machines - Circular sawing machines - Part 4: Single and multi-blade rip sawing machines with manual loading and/or unloading
- EN 1870-5:2002** Safety of woodworking machines - Circular sawing machines - Part 5: Circular sawbenches/up-cutting cross-cut sawing machines
- EN 1870-6:2002** Safety of woodworking machines - Circular sawing machines - Part 6: Circular sawing machines for firewood and dual purpose circular sawing machines for firewood/circular saw benches, with manual loading and/or unloading
- EN 1870-7:2001** Safety of woodworking machines - Circular sawing machines - Part 7: Circular log sawing machine with integrated feeding table and manual loading and/or unloading
- EN 1870-8:2001** Safety of woodworking machines - Circular sawing machines - Part 8: Single blade edging circular rip sawing machines with power driven saw unit and manual loading and/or unloading

EN 1870-9:2000	Safety of woodworking machines - Circular sawing machines - Part 9: Double blade circular sawing machines for cross-cutting with integrated feed and with manual loading and/or unloading.
EN 1889-1:2003	Machines for underground mines - Mobile machines working underground - Safety - Part 1: Rubber tyred vehicles
EN 1889-2:2003	Machines for underground mines - Mobile machines working underground - Safety - Part 2: Rail locomotives
EN 1915-1:2001	Aircraft ground support equipment - General requirements - Part 1 : Basic safety requirements
EN 1915-2:2001	Aircraft ground support equipment - General requirements - Part 2 : Stability and strength requirements, calculations and test methods
EN 1953:1998	Atomising and spraying equipment for coating materials - Safety requirements
EN 1974:1998	Food processing machinery - Slicing machines - Safety and hygiene requirements
EN ISO 2860:1999	Earth-moving machinery - Minimum access dimensions (ISO 2860:1992)
EN ISO 2867:1998	Earth-moving machinery - Access systems (ISO 2867:1994)
EN ISO 3164:1999	Earth-moving machinery - Laboratory evaluations of protective structures - Specifications for deflection-limiting volume (ISO 3164:1995)
EN ISO 3411:1999	Earth-moving machinery - Human physical dimensions of operators and minimum operator space envelope (ISO 3411:1995)
EN ISO 3450:1996	Earth-moving machinery - Braking systems of rubber-tyred machines - Performance requirements and test procedures (ISO 3450:1995)
EN ISO 3457:2003	Earth-moving machinery - Guards - Definitions and requirements (ISO 3457:2003). <i>Warning : The presumption of conformity, conferred by standard EN ISO 3457 of 1995 published in the Official Journal of the European Communities C 229, 08.08.1996, ends from the date of this publication.</i>
EN ISO 3741:1999	Acoustics - Determination of sound power levels of noise sources using sound pressure - Precision methods for reverberation rooms (ISO 3741:1999)
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)
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)
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).
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).
EN ISO 3747:2000	Acoustics – Determination of sound power levels of noise sources using sound pressure – Comparison method for use in situ (ISO 3747:2000)
EN ISO 4871:1996	Acoustics - Declaration and verification of noise emission values of machinery and equipment (ISO 4871:1996)

- EN ISO 5136:2003** Acoustics - Determination of sound power radiated into a duct by fans and other air-moving devices - In-duct method (ISO 5136:2003). *Warning : The presumption of conformity, conferred by standard EN 5136 of 1993 published in the Official Journal of the European Communities C 377, 31.12.1994, ends from the date of this publication.*
- EN ISO 6682:1995** Earth-moving machinery - Zones of comfort and reach for controls (ISO 6682:1986 including Amendment 1:1989)
- EN ISO 6683:1999** Earth-moving machinery - Seat belts and seat belt anchorages (ISO 6683:1981 + Amendment 1:1990)
- EN ISO 7096:2000** Earth-moving machinery - Laboratory evaluation of operator seat vibration(ISO 7096:2000)
- EN ISO 7235:2003** Acoustics - Laboratory measurement procedures for ducted silencers and air-terminal units - Insertion loss, flow noise and total pressure loss (ISO 7235:2003). *Warning : The presumption of conformity, conferred by standard EN ISO 7235 of 1995 published in the Official Journal of the European Communities C 306, 15.10.1996, ends from the date of this publication.*
- EN ISO 7250:1997** Basic human body measurements for technological design (ISO 7250: 1996)
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- 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)
- 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)
- EN ISO 8662-9:1996** Hand-held portable power tools - Measurement of vibrations at the handle - Part 9: Rammers (ISO 8662-9:1996)
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EN ISO 10472-2:1997	Safety requirements for industrial laundry machinery - Part 2: Washing machines and washer-extractors (ISO 10472-2:1997)
EN ISO 10472-3:1997	Safety requirements for industrial laundry machinery - Part 3: Washing tunnel lines including component machines (ISO 10472 -3:1997)
EN ISO 10472-4:1997	Safety requirements for industrial laundry machinery - Part 4: Air dryers (ISO 10472-4:1997)
EN ISO 10472-5:1997	Safety requirements for industrial laundry machinery - Part 5: Flatwork ironers, feeders and folders (ISO 10472-5:1997)
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EN 60745-2-11:2003	Hand-held motor-operated electric tools - Safety -- Part 2-11: Particular requirements for reciprocating saws (jig and sabre saws - (IEC 60745-2-11:2003 Modified)
EN 60745-2-14:2003	Hand-held motor-operated electric tools - Safety - Part 2-14: Particular requirements for planers (IEC 60745-2-14:2003 Modified)
EN 60745-2-17:2003	Hand-held motor-operated electric tools - Safety -- Part 2-17: Particular requirements for routers and trimmers - (IEC 60745-2-17:2003 Modified)
EN 60745-2-20:2003	Hand-held motor-operated electric tools - Safety - Part 2-20: Particular requirements for band saws (IEC 60745-2-20:2003 Modified)
EN 60947-5-3:1999	Low-voltage switchgear and control gear - Part 5-3: Control circuit devices and switching elements – Requirements for proximity devices with defined behaviour under fault conditions (PDF) - (IEC 60947-5-3:1999)
EN 60947-5-5:1997	Low-voltage switchgear and control gear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function. (IEC 60947-5-5:1997)
EN 61029-1:2000	Safety of transportable motor-operated electric tools - Part 1: General requirements - (IEC 61029-1:1990 - Modified)
EN 61029-1/A11:2003	Safety of transportable motor-operated electric tools - Part 1: General requirements – Amendment 11
EN 61029-1/A12:2003	Safety of transportable motor-operated electric tools - Part 1: General requirements – Amendment 12

- EN 61029-2-1:2002** Safety of transportable motor-operated electric tools - Part 2-1: Particular requirements for circular saw benches – (IEC 61029-2-1:1993 + A1:1999 + A2:2001 Modified)
- EN 61029-2-4:2003** Safety of transportable motor-operated electric tools - Part 2-4: Particular requirements for bench grinders (IEC 61029-2-4:1993 Modified)
- EN 61029-2-4/A1:2003** Safety of transportable motor-operated electric tools - Part 2-4: Particular requirements for bench grinders Amendment 1 (IEC 61029-2-4:1993/A1:2001 Modified)
- EN 61029-2-8:2003** Safety of transportable motor-operated electric tools - Part 2-8: Particular requirements for single spindle vertical moulders (IEC 61029-2-8:1995 + A1:1999 + A2:2001 Modified)
- EN 61029-2-9:2002** Safety of transportable motor-operated electric tools - Part 2-9: Particular requirements for mitre saws (IEC 61029-2-9:1995 Modified)
- EN 61310-1:1995** Safety of machinery - Indication, marking and actuation - Part 1: Requirements for visual, auditory and tactile signals (IEC 61310-1:1995)
- EN 61310-2:1995** Safety of machinery - Indication, marking and actuation - Part 2: Requirements for marking (IEC 61310-2:1995)
- 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)
- EN 61496-1:1997** Safety of machinery - Electro-sensitive protective equipment - Part 1: General requirements and tests (IEC 61496-1:1997)
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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