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Information and Notices

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I

(Information)

COMMISSION

Euro exchange rates ⁽¹⁾

19 April 2004

(2004/C 95/01)

1 euro =

Currency	Exchange rate	Currency	Exchange rate		
USD	US dollar	1,2044	LVL	Latvian lats	0,6522
JPY	Japanese yen	129,92	MTL	Maltese lira	0,4254
DKK	Danish krone	7,4439	PLN	Polish zloty	4,7756
GBP	Pound sterling	0,66635	ROL	Romanian leu	40 847
SEK	Swedish krona	9,2088	SIT	Slovenian tolar	238,41
CHF	Swiss franc	1,5492	SKK	Slovak koruna	40,133
ISK	Iceland króna	87,56	TRL	Turkish lira	1 632 166
NOK	Norwegian krone	8,2955	AUD	Australian dollar	1,6106
BGN	Bulgarian lev	1,9456	CAD	Canadian dollar	1,6213
CYP	Cyprus pound	0,5861	HKD	Hong Kong dollar	9,3929
CZK	Czech koruna	32,555	NZD	New Zealand dollar	1,8676
EEK	Estonian kroon	15,6466	SGD	Singapore dollar	2,0177
HUF	Hungarian forint	251,69	KRW	South Korean won	1 389,46
LTL	Lithuanian litas	3,4529	ZAR	South African rand	7,7786

⁽¹⁾ Source: reference exchange rate published by the ECB.

Commission Communication in the framework of the implementation of Directive 98/37/EC of the European Parliament and of the Council of 22 June 1998 in relation to machinery ⁽¹⁾ amended by Directive 98/79/EC ⁽²⁾

(2004/C 95/02)

(Text with EEA relevance)

(Publication of titles and references of European harmonised standards under the Directive)

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN 81-3:2000	Safety rules for the construction and installation of lifts — Part 3: Electric and hydraulic service lifts	27.11.2001
CEN	EN 115:1995	Safety rules for the construction and installation of escalators and passenger conveyors	1.7.1995
CEN	EN 115/A1:1998	Safety rules for the construction and installation of escalators and passenger conveyors — Amendment 1	15.10.1998
CEN	EN 201:1997	Rubber and plastics machines — Injection moulding machines — Safety requirements	4.6.1997
CEN	EN 201/A1:2000	Rubber and plastics machines — Injection moulding machines — Safety requirements — Amendment 1	20.5.2000
CEN	EN 280:2001	Mobile elevating work platforms — Design calculations, stability criteria, construction — Safety, examinations and tests	14.6.2002
CEN	EN 289:1993	Rubber and plastics machinery — Compression and transfer moulding presses — Safety requirements for the design	27.7.1994
CEN	EN 292-1:1991	Safety of machinery — Basic concepts, general principles for design — Part 1: Basic terminology, methodology	24.6.1992
CEN	EN 292-2:1991	Safety of machinery — Basic concepts, general principles for design — Part 2: Technical principles and specifications	24.6.1992
CEN	EN 292-2/A1:1995	Safety of machinery — Basic concepts, general principles for design — Part 2: Technical principles and specifications — Amendment 1	14.2.1996
CEN	EN 294:1992	Safety of machinery — Safety distance to prevent danger zones being reached by the upper limbs	25.8.1993
CEN	EN 349:1993	Safety of machinery — Minimum gaps to avoid crushing of parts of the human body	25.8.1993
CEN	EN 415-1:2000	Safety of packaging machines — Part 1: Terminology and classification of packaging machines and associated equipment	14.6.2002
CEN	EN 415-2:1999	Packaging machines Safety — Part 2: Pre-formed rigid container packaging machines	20.5.2000
CEN	EN 415-3:1999	Safety of packaging machines — Part 3: Form, fill and seal machines	27.11.2001

⁽¹⁾ OJ L 207, 23.7.1998, p. 1.

⁽²⁾ OJ L 331, 7.12.1998, p. 1.

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN 415-4:1997	Safety of packaging machines — Part 4: Palletisers and depalletisers	4.6.1997
CEN	EN 418:1992	Safety of machinery — Emergency stop equipment, functional aspects — Principles for design	25.8.1993
CEN	EN 422:1995	Rubber and plastics machines — Safety — Blow moulding machines intended for the production of hollow articles — Requirements for the design and construction	8.8.1996
CEN	EN 453:2000	Food processing machinery — Dough mixers — Safety and hygiene requirements	10.3.2001
CEN	EN 454:2000	Food processing machinery — Planetary mixers — Safety and hygiene requirements	10.3.2001
CEN	EN 457:1992	Safety of machinery — Auditory danger signals — General requirements, design and testing (ISO 7731:1986 — Modified)	25.8.1993
CEN	EN 474-1:1994	Earth-moving machinery — Safety — Part 1: General requirements	31.12.1994
CEN	EN 474-1/A1:1998	Earth-moving machinery — Safety — Part 1: General requirements — Amendment 1	15.10.1998
CEN	EN 474-2:1996	Earth-moving machinery — Safety — Part 2: Requirements for tractor-dozers	15.10.1996
CEN	EN 474-3:1996	Earth-moving machinery — Safety — Part 3: Requirements for loaders	15.10.1996
CEN	EN 474-4:1996	Earth-moving machinery — Safety — Part 4: Requirements for backhoe loaders	15.10.1996
CEN	EN 474-5:1996	Earth-moving machinery — Safety — Part 5: Requirements for hydraulic excavators	15.10.1996
CEN	EN 474-6:1996	Earth-moving machinery — Safety — Part 6: Requirements for dumpers	15.10.1996
CEN	EN 474-7:1998	Earth-moving machinery — Safety — Part 7: Requirements for scrapers	15.10.1998
CEN	EN 474-8:1998	Earth-moving machinery — Safety — Part 8: Requirements for graders	15.10.1998
CEN	EN 474-9:1998	Earth-moving machinery — Safety — Part 9: Requirements for pipelayers	15.10.1998
CEN	EN 474-10:1998	Earth-moving machinery — Safety — Part 10: Requirements for trenchers	15.10.1998
CEN	EN 474-11:1998	Earth-moving machinery — Safety — Part 11: Requirements for earth and landfill compactors	15.10.1998
CEN	EN 500-1:1995	Mobile road construction machinery — Safety — Part 1: Common requirements	14.2.1996
CEN	EN 500-2:1995	Mobile road construction machinery — Safety — Part 2: Specific requirements for road-milling machines	14.2.1996

ESO (1)	Reference	Title of the harmonised standards	First publication (OJ) (2)
CEN	EN 500-3:1995	Mobile road construction machinery — Safety — Part 3: Specific requirements for soil stabilisation machines	14.2.1996
CEN	EN 500-4:1995	Mobile road construction machinery — Safety — Part 4: Specific requirements for compaction machines	14.2.1996
CEN	EN 528:1996	Rail dependent storage and retrieval equipment — Safety	28.11.1996
CEN	EN 528/A1:2002	Rail dependent storage and retrieval equipment — Safety — Amendment 1	14.8.2003
CEN	EN 536:1999	Road construction machines — Asphalt mixing plants — Safety requirements	5.11.1999
CEN	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	22.3.1997
CEN	EN 547-2:1996	Safety of machinery — Human body measurements — Part 2: Principles for determining the dimensions required for access openings	22.3.1997
CEN	EN 547-3:1996	Safety of machinery — Human body measurements — Part 3: Anthropometric data	22.3.1997
CEN	EN 563:1994	Safety of machinery — Temperatures of touchable surfaces — Ergonomics data to establish temperature limit values for hot surfaces	31.12.1994
CEN	EN 563/A1:1999	Safety of machinery — Temperatures of touchable surfaces — Ergonomics data to establish temperature limit values for hot surfaces — Amendment 1	15.4.2000
CEN	EN 574:1996	Safety of machinery — Two-hand control devices — Functional aspects — Principles for design	22.3.2000
CEN	EN 608:1994	Agricultural and forestry machinery — Portable chain saws — Safety	31.12.1994
CEN	EN 609-1:1999	Agricultural and forestry machinery — Safety of log splitters — Part 1: Wedge splitters	11.6.1999
CEN	EN 609-2:1999	Agricultural and forestry machinery — Safety of log splitters — Part 2: Screw splitters	15.4.2000
CEN	EN 614-1:1995	Safety of machinery — Ergonomic design principles — Part 1: Terminology and general principles	14.2.1996
CEN	EN 614-2:2000	Safety of machinery — Ergonomic design principles — Part 2: Interactions between the design of machinery and work tasks	10.3.2001
CEN	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	14.6.2002
CEN	EN 618:2002	Continuous handling equipment and systems — Safety and EMC requirements for equipment for mechanical handling of bulk materials except fixed belt conveyors	24.6.2003

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN 619:2002	Continuous handling equipment and systems — Safety and EMC requirements for equipment for mechanical handling of unit loads	14.8.2003
CEN	EN 620:2002	Continuous handling equipment and systems — Safety and EMC requirements for fixed belt conveyors for bulk materials	24.6.2003
CEN	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	14.2.1996
CEN	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	28.11.1996
CEN	EN 627:1995	Specification for data logging and monitoring of lifts, escalators and passenger conveyors	28.11.1996
CEN	EN 632:1995	Agricultural machinery — Combine harvesters and forage harvesters — Safety	8.8.1996
CEN	EN 690:1994	Agricultural machinery — Manure spreaders — Safety	1.7.1995
CEN	EN 692:1996	Mechanical presses — Safety	5.2.1998

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.

CEN	EN 693:2001	Machine tools — Safety — Hydraulic presses	27.11.2001
CEN	EN 704:1999	Agricultural machinery — Pick-up balers — Safety	11.6.1999
CEN	EN 706:1996	Safety requirements for agricultural and forestry machinery — Vine shoot tipping machines	22.3.1997
CEN	EN 707:1999	Agricultural machinery — Slurry tankers — Safety	5.11.1999
CEN	EN 708:1996	Agricultural machinery — Soil working machines with powered tools — Safety	8.5.1997
CEN	EN 708/A1:2000	Agricultural machinery — Soil working machines with powered tools — Safety — Amendment 1	16.6.2000
CEN	EN 709:1997	Agricultural and forestry machinery — Pedestrian controlled tractors with mounted rotary cultivators, motor hoes, motor hoes with drive wheel(s) — Safety	23.10.1997
CEN	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	15.4.2000
CEN	EN 710:1997	Safety requirements for foundry moulding and coremaking machinery and plant and associated equipment	13.3.1998
CEN	EN 741:2000	Continuous handling equipment and systems — Safety requirements for systems and their components for pneumatic handling of bulk materials	27.11.2001

ESO (1)	Reference	Title of the harmonised standards	First publication (OJ) (2)
CEN	EN 745:1999	Agricultural machinery — Rotary mowers and flail-mowers — Safety	11.6.1999
CEN	EN 746-1:1997	Industrial thermoprocessing equipment — Part 1: Common safety requirements for industrial thermoprocessing equipment	4.6.1997
CEN	EN 746-2:1997	Industrial thermoprocessing equipment — Part 2: Safety requirements for combustion and fuel handling systems	4.6.1997
CEN	EN 746-3:1997	Industrial thermoprocessing equipment — Part 3: Safety requirements for the generation and use of atmosphere gases	4.6.1997
CEN	EN 746-4:2000	Industrial thermoprocessing equipment — Part 4: Particular safety requirements for hot dip galvanising thermoprocessing equipment	16.6.2000
CEN	EN 746-5:2000	Industrial thermoprocessing equipment — Part 5: Particular safety requirements for salt bath thermoprocessing equipment	27.11.2001
CEN	EN 746-8:2000	Industrial thermoprocessing equipment — Part 8: Particular safety requirements for quenching equipment	27.11.2001
CEN	EN 774:1996	Garden equipment — Hand held, integrally powered hedge trimmers — Safety	15.10.1996
CEN	EN 774/A1:1997	Garden equipment — Hand held, integrally powered hedge trimmers — Safety — Amendment 1	8.5.1997
CEN	EN 774/A2:1997	Garden equipment — Hand held, integrally powered hedge trimmers — Safety — Amendment 2	23.10.1997
CEN	EN 774/A3:2001	Garden equipment — Hand held, integrally powered hedge trimmers — Safety — Amendment 3	27.11.2001
CEN	EN 775:1992	Manipulating industrial robots — Safety (ISO 10218:1992 — Modified)	25.8.1993
CEN	EN 786:1996	Garden equipment — Electrically powered walk-behind and lawn edge trimmers — Mechanical safety	15.10.1996
CEN	EN 786/A1:2001	Garden equipment — Electrically powered walk-behind and hand-held lawn trimmers and lawn edge trimmers — Mechanical safety — Amendment 1	27.11.2001
CEN	EN 791:1995	Drill rigs — Safety	8.8.1996
CEN	EN 792-1:2000	Hand-held non-electric power tools — Safety requirements — Part 1: Assembly power tools for non-threaded mechanical fasteners	27.11.2001
CEN	EN 792-2:2000	Hand-held non-electric power tools — Safety requirements — Part 2: Cutting- off and crimping power tools	27.11.2001
CEN	EN 792-3:2000	Hand-held non-electric power tools — Safety requirements — Part 3: Drills and tappers	27.11.2001
CEN	EN 792-4:2000	Hand-held non-electric power tools — Safety requirements — Part 4: Non-rotary percussive power tools	27.11.2001

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN 792-5:2000	Hand-held non-electric power tools — Safety requirements — Part 5: Rotary percussive drills	27.11.2001
CEN	EN 792-6:2000	Hand-held non-electric power tools — Safety requirements — Part 6: Assembly power tools for threaded fasteners	27.11.2001
CEN	EN 792-7:2001	Hand-held non-electric power tools — Safety requirements — Part 7: Grinders	14.6.2002
CEN	EN 792-8:2001	Hand-held non-electric power tools — Safety requirements — Part 8: Polishers and sanders	14.6.2002
CEN	EN 792-9:2001	Hand-held non-electric power tools — Safety requirements — Part 9: Grinders	14.6.2002
CEN	EN 792-10:2000	Hand-held non-electric power tools — Safety requirements — Part 10: Compression power tools	27.11.2001
CEN	EN 792-11:2000	Hand-held non-electric power tools — Safety requirements — Part 11: Nibblers and shears	27.11.2001
CEN	EN 792-12:2000	Hand-held non-electric power tools — Safety requirements — Part 12: Small circular, small oscillating and reciprocating saws	27.11.2001
CEN	EN 792-13:2000	Hand-held non-electric power tools — Safety requirements — Part 13: Fastener driving tools	27.11.2001
CEN	EN 809:1998	Pumps and pump units for liquids — Common safety requirements	15.10.1998
CEN	EN 811:1996	Safety of machinery — Safety distances to prevent danger zones being reached by the lower limbs	8.5.1997
CEN	EN 815:1996	Safety of unshielded tunnel boring machines and rodless shaft boring machines for rock	22.3.1997
CEN	EN 818-1:1996	Short link chain for lifting purposes — Safety — Part 1: General conditions of acceptance	15.10.1996
CEN	EN 818-2:1996	Short link chain for lifting purposes — Safety — Part 2: Medium tolerance chain for chain slings — Grade 8	28.11.1996
CEN	EN 818-3:1999	Short link chain for lifting purposes — Safety — Part 3: Medium tolerance chain for chain slings — Grade 4	10.3.2001
CEN	EN 818-4:1996	Short link chain for lifting purposes — Safety — Part 4: Chain slings — Grade 8	28.11.1996
CEN	EN 818-5:1999	Short link chain for lifting purposes — Safety — Part 5: Chain slings — Grade 4	10.3.2001
CEN	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	10.3.2001
CEN	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)	14.6.2002

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN 836:1997	Garden equipment — Powered lawnmowers — Safety	4.6.1997
CEN	EN 836/A1:1997	Garden equipment — Powered lawnmowers — Safety — Amendment 1	13.3.1998
CEN	EN 836/A2:2001	Garden equipment — Powered lawnmowers — Safety — Amendment 2	27.11.2001
CEN	EN 842:1996	Safety of machinery — Visual danger signals — General requirements, design and testing	28.11.1996
CEN	EN 848-1:1998	Safety of woodworking machines — One side moulding machines with rotating tool — Part 1: Single spindle vertical moulding machines	15.10.1998
CEN	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	10.3.2001
CEN	EN 848-2:1998	Safety of woodworking machines — One side moulding machines with rotating tool — Part 2: Single spindle handfed integrated fed routing machines	15.10.1998
CEN	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	15.4.2000
CEN	EN 859:1997	Safety of woodworking machines — Handfed surface planing machines	13.3.1998
CEN	EN 860:1997	Safety of woodworking machines — One side thickness planing machines	23.10.1997
CEN	EN 861:1997	Safety of woodworking machines — Surface planing and thickening machines	13.3.1998
CEN	EN 869:1997	Safety requirements for high pressure metal diecasting units	13.3.1998
CEN	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	13.3.1998
CEN	EN 894-2:1997	Safety of machinery — Ergonomics requirements for the design of displays and control actuators — Part 2: Displays	13.3.1998
CEN	EN 894-3:2000	Safety of machinery — Ergonomics requirements for the design of displays and control actuators — Part 3: Control actuators	27.11.2001
CEN	EN 907:1997	Agricultural and forestry machinery — Sprayers and liquid fertiliser distributors — Safety	23.10.1997
CEN	EN 908:1999	Agricultural and forestry machinery — Reel machines for irrigation — Safety	11.6.1999
CEN	EN 909:1998	Agricultural and forestry machinery — Centre pivot and moving lateral types irrigation machines — Safety	11.6.1999

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN 930:1997	Footwear, leather and imitation leather goods manufacturing machines — Roughing, scouring, polishing and trimming machines — Safety requirements	13.3.1998
CEN	EN 931:1997	Footwear manufacturing machines — Lasting machines — Safety requirements	13.3.1998
CEN	EN 940:1997	Safety of woodworking machines — Combined wood-working machines	23.10.1997
CEN	EN 953:1997	Safety of machinery — Guards — General requirements for the design and construction of fixed and movable guards	13.3.1998
CEN	EN 954-1:1996	Safety of machinery — Safety-related parts of control systems — Part 1: General principles for design	8.5.1997
CEN	EN 972:1998	Tannery machines — Reciprocating roller machines — Safety requirements	15.10.1998
CEN	EN 981:1996	Safety of machinery — System of auditory and visual danger and information signals	8.5.1997
CEN	EN 982:1996	Safety of machinery — Safety requirements for fluid power systems and their components — Hydraulics	15.10.1996
CEN	EN 983:1996	Safety of machinery — Safety requirements for fluid power systems and their components — Pneumatics	15.10.1996
CEN	EN 996:1995	Piling equipment — Safety requirements	15.10.1996
CEN	EN 996/A1:1999	Piling equipment — Safety requirements — Amendment 1	11.6.1999
CEN	EN 996/A2:2003	Piling equipment — Safety requirements — Amendment 2	This is the first publication
CEN	EN 999:1998	Safety of machinery — The positioning of protective equipment in respect of approach speeds of parts of the human body	11.6.1999
CEN	EN 1005-1:2001	Safety of machinery — Human physical performance — Part 1: Terms and definitions	14.6.2002
CEN	EN 1005-2:2003	Safety of machinery — Human physical performance — Part 2: Manual handling of machinery and component parts of machinery	This is the first publication
CEN	EN 1005-3:2002	Safety of machinery — Human physical performance — Part 3: Recommended force limits for machinery operation	14.6.2002
CEN	EN 1010-3:2002	Safety of machinery — Safety requirements for the design and construction of printing and paper converting machines — Part 3: Cutting machines	14.8.2003
CEN	EN 1012-1:1996	Compressors and vacuum pumps — Safety requirements — Part 1: Compressors	15.10.1996
CEN	EN 1012-2:1996	Compressors and vacuum pumps — Safety requirements — Part 2: Vacuum Pumps	15.10.1996

ESO (1)	Reference	Title of the harmonised standards	First publication (OJ) (2)
CEN	EN 1028-1:2002	Fire-fighting pumps — Fire-fighting centrifugal pumps with primer — Part 1: Classification — General and safety requirements	14.8.2003
CEN	EN 1028-2:2002	Fire-fighting pumps — Fire-fighting centrifugal pumps with primer — Part 2: Verification of general and safety requirements	14.8.2003
CEN	EN 1032:1996	Mechanical vibration — Testing of mobile machinery in order to determine the whole-body vibration emission value — General	22.3.1997
CEN	EN 1032/A1:1998	Mechanical vibration — Testing of mobile machinery in order to determine the whole-body vibration emission value — General — Amendment 1	11.6.1999
CEN	EN 1033:1995	Hand-arm vibration — Laboratory measurement of vibration at the grip surface of hand-guided machinery — General	14.2.1996
CEN	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	20.5.2000
CEN	EN 1037:1995	Safety of machinery — Prevention of unexpected start-up	15.10.1996
CEN	EN 1050:1996	Safety of machinery — Principles for risk assessment	23.10.1997
CEN	EN 1088:1995	Safety of machinery — Interlocking devices associated with guards — Principles for design and selection	15.10.1996
CEN	EN 1093-1:1998	Safety of machinery — Evaluation of the emission of airborne hazardous substances — Part 1: Selection of test methods	14.11.1998
CEN	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	15.10.1996
CEN	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	15.10.1996
CEN	EN 1093-6:1998	Safety of machinery — Evaluation of the emission of airborne hazardous substances — Part 6: Separation efficiency by mass, unducted outlet	14.11.1998
CEN	EN 1093-7:1998	Safety of machinery — Evaluation of the emission of airborne hazardous substances — Part 7: Separation efficiency by mass, ducted outlet	14.11.1998
CEN	EN 1093-8:1998	Safety of machinery — Evaluation of the emission of airborne hazardous substances — Part 8: Pollutant concentration parameter, test bench method	14.11.1998
CEN	EN 1093-9:1998	Safety of machinery — Evaluation of the emission of airborne hazardous substances — Part 9: Pollutant concentration parameter, room method	14.11.1998

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN 1093-11:2001	Safety of machinery — Evaluation of the emission of airborne hazardous substances — Part 11: Decontamination index	14.6.2002
CEN	EN 1114-1:1996	Rubber and plastics machines — Extruders and extrusion lines — Part 1: Safety requirements for extruders	8.5.1997
CEN	EN 1114-2:1998	Rubber and plastics machines — Extruders and extrusion lines — Part 2: Safety requirements for face pelletisers	15.10.1998
CEN	EN 1114-3:2001	Rubber and plastics machines — Extruders and extrusion lines — Part 3: Safety requirements for haul-offs	27.11.2001
CEN	EN 1127-1:1997	Explosive atmospheres — Explosion prevention and protection — Part 1: Basic concepts and methodology	13.3.1998
CEN	EN 1152:1994	Tractors and machinery for agriculture and forestry — Guards for power take-off (PTO) drive shafts — Wear and strength tests	1.7.1995
CEN	EN 1175-1:1998	Safety of industrial trucks — Electrical requirements — Part 1: General requirements for battery powered trucks	15.10.1998
CEN	EN 1175-2:1998	Safety of industrial trucks — Electrical requirements — Part 2: General requirements of internal combustion engine powered trucks	13.6.1998
CEN	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	15.10.1998
CEN	EN 1218-1:1999	Safety of woodworking machines — Tenoning machines — Part 1: Single end tenoning machines with sliding table	10.3.2001
CEN	EN 1218-3:2001	Safety of woodworking machines — Tenoning machines — Part 3: Hand fed tenoning machines with sliding table for cutting structural timbers	14.6.2002
CEN	EN 1248:2001	Foundry machinery — Safety requirements for abrasive blasting equipment	14.6.2002
CEN	EN 1265:1999	Noise test code for foundry machines and equipment	15.4.2000
CEN	EN 1299:1997	Mechanical vibration and shock — Vibration isolation of machines — Information for the application of source isolation	4.6.1997
CEN	EN 1374:2000	Agricultural machinery — Silo stationary unloaders for round silos — Safety	10.3.2001
CEN	EN 1398:1997	Dock levellers	13.3.1998
CEN	EN 1417:1996	Rubber and plastics machines — Two-roll mills — Safety requirements	22.3.1997
CEN	EN 1454:1997	Portable, hand-held, internal combustion cutting-off machines — Safety	13.3.1998

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN 1459:1998	Safety of industrial trucks — Self-propelled variable reach trucks	30.5.2000

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.'

CEN	EN 1492-1:2000	Textile slings — Safety — Part 1: Specification for flat woven webbing slings, made of man-made fibres, for general purpose use	27.11.2001
CEN	EN 1492-2:2000	Textile slings — Safety — Part 2: Specification for roundslings, made of man-made fibres, for general purpose use	27.11.2001
CEN	EN 1493:1998	Vehicle lifts	11.6.1999
CEN	EN 1494:2000	Mobile or movable jacks and associated lifting equipment	27.11.2001
CEN	EN 1495:1997	Lifting platforms — Mast climbing work platforms	13.3.1998

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.'

CEN	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	15.10.1998
CEN	EN 1525:1997	Safety of industrial trucks — Driverless trucks and their systems	13.3.1998
CEN	EN 1526:1997	Safety of industrial trucks — Additional requirements for automated functions on trucks	13.3.1998
CEN	EN 1539:2000	Dryers and ovens, in which flammable substances are released — Safety requirements	27.11.2001
CEN	EN 1547:2001	Industrial thermoprocessing equipment — Noise test code for industrial thermoprocessing equipment including its ancillary handling equipment	14.6.2002
CEN	EN 1550:1997	Machine-tools safety — Safety requirements for the design and construction of work holding chucks	13.3.1998
CEN	EN 1551:2000	Safety of industrial trucks — Self-propelled trucks over 10 000 kg capacity	14.6.2002
CEN	EN 1552:2003	Underground mining machines — Mobile extracting machines at the face — Safety requirements for shearer loaders and plough systems	This is the first publication
CEN	EN 1553:1999	Agricultural machinery — Agricultural self-propelled, mounted, semi-mounted and trailed machines — Common safety requirements	15.4.2000
CEN	EN 1570:1998	Safety requirements for lifting tables	15.10.1998
CEN	EN 1612-1:1997	Rubber and plastics machines — Reaction moulding machines — Part 1: Safety requirements for metering and mixing units	13.3.1998

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN 1612-2:2000	Rubber and plastics machines — Reaction moulding machines — Part 2: Safety requirements for reaction moulding plant	10.3.2001
CEN	EN 1672-2:1997	Food processing machinery — Basic concepts — Part 2: Hygiene requirements	23.10.1997
CEN	EN 1673:2000	Food processing machinery — Rotary rack ovens — Safety and hygiene requirements	27.11.2001
CEN	EN 1674:2000	Food processing machinery — Dough and pastry brakes — Safety and hygiene requirements	27.11.2001
CEN	EN 1677-1:2000	Components for slings — Safety — Part 1: Forged steel components, Grade 8	14.6.2002
CEN	EN 1677-2:2000	Components for slings — Safety — Part 2: Forged steel lifting hooks with latch, Grade 8	14.6.2002
CEN	EN 1677-3:2001	Components for slings — Safety — Part 3: Forged steel self-locking hooks — Grade 8	14.6.2002
CEN	EN 1677-4:2000	Components for slings — Safety — Part 4: Links, Grade 8	27.11.2001
CEN	EN 1677-5:2001	Components for slings — Safety — Part 5: Forged steel lifting hooks with latch — Grade 4	27.11.2001
CEN	EN 1677-6:2001	Components for slings — Safety — Part 6: Links — Grade 4	27.11.2001
CEN	EN 1678:1998	Food processing machinery — Vegetable cutting machines — Safety and hygiene requirements	15.10.1998
CEN	EN 1679-1:1998	Reciprocating internal combustion engines — Safety — Part 1: Compression ignition engines	13.6.1998
CEN	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	30.5.2000

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.'

CEN	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	27.11.2001
CEN	EN 1755:2000	Safety of Industrial Trucks — Operation in potentially explosive atmospheres — Use in flammable gas, vapour mist and dust	10.3.2001
CEN	EN 1756-1:2001	Tail lifts — Platform lifts for mounting on wheeled vehicles — Safety requirements — Part 1: Tail lifts for goods	14.6.2002

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN 1757-1:2001	Safety of industrial trucks — Pedestrian controlled trucks — Part 1: Stacker trucks	14.6.2002
CEN	EN 1757-2:2001	Safety of industrial trucks — Pedestrian controlled trucks — Part 2: Pallet trucks	14.6.2002
CEN	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	13.3.1998
CEN	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	27.11.2001
CEN	EN 1804-1:2001	Machines for underground mines — Safety requirements for hydraulic powered roof supports — Part 1: Support units and general requirements	24.6.2003
CEN	EN 1804-2:2001	Machines for underground mines — Safety requirements for hydraulic powered roof supports — Part 2: Power set legs and rams	24.6.2003
CEN	EN 1807:1999	Safety of woodworking machines — Band sawing machines	27.11.2001
CEN	EN 1808:1999	Safety requirements on suspended access equipment — Design calculations, stability criteria, construction — Tests	5.11.1999
CEN	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	10.3.2001
CEN	EN 1837:1999	Safety of machinery — Integral lighting of machines	11.6.1999
CEN	EN 1845:1998	Footwear manufacturing machines — Footwear moulding machines — Safety requirements	11.6.1999
CEN	EN 1846-2:2001	Firefighting and rescue service vehicles — Part 2: Common requirements — Safety and performance	14.6.2002
CEN	EN 1846-3:2002	Firefighting and rescue service vehicles — Part 3: Permanently installed equipment — Safety and performance	14.8.2003
CEN	EN 1853:1999	Agricultural machinery — Trailers with tipping body — Safety	5.11.1999
CEN	EN 1870-1:1999	Safety of woodworking machines — Circular sawing machines — Part 1: Circular saw benches (with and without sliding table) and dimension saws	10.3.2001
CEN	EN 1870-2:1999	Safety of woodworking machines — Circular sawing machines — Part 2: Horizontal beam panel saws and vertical panel saws	This is the first publication
CEN	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	14.6.2002

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	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	14.6.2002
CEN	EN 1870-5:2002	Safety of woodworking machines — Circular sawing machines — Part 5: Circular sawbenches/up-cutting cross-cut sawing machines	24.6.2003
CEN	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	24.6.2003
CEN	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	14.6.2002
CEN	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	14.6.2002
CEN	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	27.11.2001
CEN	EN 1889-1:2003	Machines for underground mines — Mobile machines working underground — Safety — Part 1: Rubber tyred vehicles	This is the first publication
CEN	EN 1889-2:2003	Machines for underground mines — Mobile machines working underground — Safety — Part 2: Rail locomotives	This is the first publication
CEN	EN 1915-1:2001	Aircraft ground support equipment — General requirements — Part 1: Basic safety requirements	14.6.2002
CEN	EN 1915-2:2001	Aircraft ground support equipment — General requirements — Part 2: Stability and strength requirements, calculations and test methods	14.6.2002
CEN	EN 1953:1998	Atomising and spraying equipment for coating materials — Safety requirements	14.11.1998
CEN	EN 1974:1998	Food processing machinery — Slicing machines — Safety and hygiene requirements	15.10.1998
CEN	EN ISO 2860:1999	Earth-moving machinery — Minimum access dimensions (ISO 2860:1992)	5.11.1999
CEN	EN ISO 2867:1998	Earth-moving machinery — Access systems (ISO 2867:1994)	14.11.1998
CEN	EN ISO 3164:1999	Earth-moving machinery — Laboratory evaluations of protective structures — Specifications for deflection-limiting volume (ISO 3164:1995)	5.11.1999
CEN	EN ISO 3411:1999	Earth-moving machinery — Human physical dimensions of operators and minimum operator space envelope (ISO 3411:1995)	5.11.1999

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN ISO 3450:1996	Earth-moving machinery — Braking systems of rubber-tyred machines — Performance requirements and test procedures (ISO 3450:1995)	15.10.1996
CEN	EN ISO 3457:2003	Earth-moving machinery — Guards — Definitions and requirements (ISO 3457:2003)	This is the first publication

Warning: The presumption of conformity, conferred by standard EN ISO 3457 of 1995 published in the *Official Journal of the European Communities* C 229, 8.8.1996, ends from the date of this publication.

CEN	EN ISO 3741:1999	Acoustics — Determination of sound power levels of noise sources using sound pressure — Precision methods for reverberation rooms (ISO 3741:1999)	24.6.2003
CEN	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)	8.8.1996
CEN	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)	28.11.1996
CEN	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)	14.2.1996
CEN	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)	14.2.1996
CEN	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)	14.8.2003
CEN	EN ISO 4871:1996	Acoustics — Declaration and verification of noise emission values of machinery and equipment (ISO 4871:1996)	8.5.1997
CEN	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)	This is the first publication

Warning: The presumption of conformity, conferred by standard EN 25136 of 1993 published in the *Official Journal of the European Communities* C 377, 31.12.1994, ends from the date of this publication.

CEN	EN ISO 6682:1995	Earth-moving machinery — Zones of comfort and reach for controls (ISO 6682:1986 including Amendment 1:1989)	8.8.1996
CEN	EN ISO 6683:1999	Earth-moving machinery — Seat belts and seat belt anchorages (ISO 6683:1981 + Amendment 1:1990)	5.11.1999
CEN	EN ISO 7096:2000	Earth-moving machinery — Laboratory evaluation of operator seat vibration (ISO 7096:2000)	14.6.2002

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	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)	This is the first publication

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.

CEN	EN ISO 7250:1997	Basic human body measurements for technological design (ISO 7250:1996)	13.3.1998
CEN	EN ISO 8230:1997	Safety requirements for dry-cleaning machines using perchloroethylene (ISO 8230:1997)	13.6.1998
CEN	EN ISO 8662-4:1995	Hand-held portable power tools — Measurement of vibrations at the handle — Part 4: Grinders (ISO 8662-4:1994)	8.8.1996
CEN	EN ISO 8662-6:1995	Hand-held portable power tools — Measurement of vibrations at the handle — Part 6: Impact drills (ISO 8662-6:1994)	14.2.1996
CEN	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)	13.3.1998
CEN	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)	13.3.1998
CEN	EN ISO 8662-9:1996	Hand-held portable power tools — Measurement of vibrations at the handle — Part 9: Rammers (ISO 8662-9:1996)	8.5.1997
CEN	EN ISO 8662-10:1998	Hand-held portable power tools — Measurement of vibrations at the handle — Part 10: Nibblers and shears (ISO 8662-10:1998)	24.6.2003
CEN	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)	13.3.1998
CEN	EN ISO 8662-13:1997	Hand-held portable power tools — Measurement of vibrations at the handle — Part 13: Die grinders (ISO 8662-13:1997)	13.3.1998
CEN	EN ISO 8662-14:1996	Hand-held portable power tools — Measurement of vibrations at the handle — Part 14: Stone-working tools and needle scalers (ISO 8662-14:1996)	8.5.1997
CEN	EN ISO 9614-1:1995	Acoustics — Determination of sound power levels of noise sources using sound intensity — Part 1: Measurement at discrete points (ISO 9614-1:1993)	8.8.1996
CEN	EN ISO 9614-3:2002	Acoustics — Determination of sound power levels of noise sources using sound intensity — Part 3: Precision method for measurement by scanning (ISO 9614-3:2002)	14.8.2003
CEN	EN ISO 9902-1:2001	Textile machinery — Noise test code — Part 1: Common requirements (ISO 9902-1:2001)	27.11.2001

ESO (1)	Reference	Title of the harmonised standards	First publication (OJ) (2)
CEN	EN ISO 9902-2:2001	Textile machinery — Noise test code — Part 2: Spinning preparatory and spinning machinery (ISO 9902-2:2001)	27.11.2001
CEN	EN ISO 9902-3:2001	Textile machinery — Noise test code — Part 3: Nonwoven machinery (ISO 9902-3:2001)	27.11.2001
CEN	EN ISO 9902-4:2001	Textile machinery — Noise test code — Part 4: Yarn processing, cordage and rope manufacturing machinery (ISO 9902-4:2001)	27.11.2001
CEN	EN ISO 9902-5:2001	Textile machinery — Noise test code — Part 5: Weaving and knitting preparatory machinery (ISO 9902-5:2001)	27.11.2001
CEN	EN ISO 9902-6:2001	Textile machinery — Noise test code — Part 6: Fabric manufacturing machinery (ISO 9902-6:2001)	27.11.2001
CEN	EN ISO 9902-7:2001	Textile machinery — Noise test code — Part 7: Dyeing and finishing machinery (ISO 9902-7:2001)	27.11.2001
CEN	EN ISO 10472-1:1997	Safety requirements for industrial laundry machinery — Part 1: Common requirements (ISO 10472-1:1997)	13.6.1998
CEN	EN ISO 10472-2:1997	Safety requirements for industrial laundry machinery — Part 2: Washing machines and washer-extractors (ISO 10472-2:1997)	13.6.1998
CEN	EN ISO 10472-3:1997	Safety requirements for industrial laundry machinery — Part 3: Washing tunnel lines including component machines (ISO 10472-3:1997)	13.6.1998
CEN	EN ISO 10472-4:1997	Safety requirements for industrial laundry machinery — Part 4: Air dryers (ISO 10472-4:1997)	13.6.1998
CEN	EN ISO 10472-5:1997	Safety requirements for industrial laundry machinery — Part 5: Flatwork ironers, feeders and folders (ISO 10472-5:1997)	13.6.1998
CEN	EN ISO 10472-6:1997	Safety requirements for industrial laundry machinery — Part 6: Ironing and fusing presses (ISO 10472-6:1997)	13.6.1998
CEN	EN ISO 11102-1:1997	Reciprocating internal combustion engines — Handle starting equipment — Part 1: Safety requirements and tests (ISO 11102-1:1997)	13.3.1998
CEN	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)	13.3.1998
CEN	EN ISO 11111:1995	Safety requirements for textile machinery (ISO 11111:1995)	8.8.1996
CEN	EN ISO 11145:2001	Optics and optical instruments — Lasers and laser related equipment — Vocabulary and symbols (ISO 11145:2001)	14.6.2002
CEN	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 a work station and at other specified positions (ISO 11200:1995)	15.10.1996

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	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)	15.10.1996
CEN	EN ISO 11202:1995	Acoustics — Noise emitted by machinery and equipment — Measurement of emission sound pressure levels at a work station and at other specified positions — Survey method in situ (ISO 11202:1995)	15.10.1996
CEN	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)	15.10.1996
CEN	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)	15.10.1996
CEN	EN ISO 11546-1:1995	Acoustics — Determination of sound insulation performances of enclosures — Part 1: Measurements under laboratory conditions (for declaration purposes) (ISO 11546-1:1995)	15.10.1996
CEN	EN ISO 11546-2:1995	Acoustics — Determination of sound insulation performances of enclosures — Part 2: Measurements in situ for acceptance and verification purposes (ISO 11546-2:1995)	15.10.1996
CEN	EN ISO 11554:2003	Optics and optical instruments — Lasers and laser-related equipment — Test methods for laser beam power, energy and temporal characteristics (ISO 11554:2003)	This is the first publication

Warning: The presumption of conformity, conferred by standard EN ISO 11554 of 1998 published in the *Official Journal of the European Communities* C 165, 11.6.1999, ends from the date of this publication.

CEN	EN ISO 11680-1:2000	Machinery of forestry — Safety requirements and testing for pole-mounted powered pruners — Part 1: Units fitted with an integral combustion engine (ISO 11680-1:2000)	14.6.2002
CEN	EN ISO 11680-2:2000	Machinery of forestry — Safety requirements and testing for the pole-mounted powered pruners — Part 2: Units for use with an independent or back power source (ISO 11680-2:2000)	14.6.2002
CEN	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)	15.10.1998
CEN	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)	15.10.1998
CEN	EN ISO 11691:1995	Acoustics — Measurement of insertion loss of ducted silencers without flow — Laboratory survey method (ISO 11691:1995)	14.2.1996
CEN	EN ISO 11806:1997	Agricultural and forestry machinery — Portable hand-held combustion engine driven brush cutters and grass trimmers — Safety (ISO 11806:1997)	23.10.1997

ESO (*)	Reference	Title of the harmonised standards	First publication (OJ) (2)
CEN	EN ISO 11957:1996	Acoustics — Determination of sound insulation performance of cabins — Laboratory and in situ measurements (ISO 11957:1996)	8.5.1997
CEN	EN ISO 12001:1996	Acoustics — Noise emitted by machinery and equipment — Rules for the drafting and presentation of a noise test code (ISO 12001:1996)	8.5.1997
CEN	EN 12012-1:2000	Rubber and plastics machines — Size reduction machines — Part 1: Safety requirements for blade granulators	27.11.2001
CEN	EN 12012-2:2001	Rubber and plastics machines — Safety — Size reduction machines — Requirements for the design and construction — Part 2: Safety requirements for strand pelletizers	14.6.2002
CEN	EN 12012-3:2001	Rubber and plastics machines — Size reduction machines — Part 3: Safety requirements for shredders	27.11.2001
CEN	EN 12013:2000	Rubber and plastics machines — Internal mixers — Safety requirements	27.11.2001
CEN	EN 12016:1998	Electromagnetic compatibility — Product family standard for lifts, escalators and passenger conveyors — Immunity	10.3.2001
CEN	EN 12041:2000	Food processing machinery — Moulders — Safety and hygiene requirements	10.3.2001
CEN	EN 12043:2000	Food processing machinery — Intermediate provers — Safety and hygiene requirements	27.11.2001
CEN	EN 12053:2001	Safety of industrial trucks — Test methods for measuring noise emissions	14.6.2002
CEN	EN 12077-2:1998	Cranes safety — Requirements for health and safety — Part 2: Limiting and indicating devices	11.6.1999
CEN	EN 12110:2002	Tunnelling machines — Air locks — Safety requirements	14.8.2003
CEN	EN 12111:2002	Tunnelling machines — Road headers, continuous miners and impact rippers — Safety requirements	14.8.2003
CEN	EN 12158-1:2000	Builders hoists for the transport of goods — Part 1: Hoists with accessible platforms	14.6.2002
CEN	EN 12158-2:2000	Builders hoists goods — Part 2: Inclined hoists with non-accessible load carrying devices	27.11.2001
CEN	EN 12162:2001	Liquid pumps — Safety requirements — Procedure for hydrostatic testing	14.6.2002
CEN	EN 12198-1:2000	Safety of machinery — Assessment and reduction of risks arising from radiation emitted by machinery — Part 1: General principles	10.3.2001
CEN	EN 12198-2:2002	Safety of machinery — Assessment and reduction of risks arising from radiation emitted by machinery — Part 2: Radiation emission measurement procedure	14.8.2003
CEN	EN 12198-3:2002	Safety of machinery — Assessment and reduction of risks arising from radiation emitted by machinery — Part 3: Reduction of radiation by attenuation or screening	14.8.2003

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN 12254:1998 + EN 12254/A1:2002	Screens for laser working places — Safety requirements and testing	14.8.2003
CEN	EN 12267:2003	Food processing machinery — Circular saw machines — Safety and hygiene requirements	This is the first publication
CEN	EN 12268:2003	Food processing machinery — Band saw machines — Safety and hygiene requirements	This is the first publication
CEN	EN 12301:2000	Rubber and plastics machines — Calenders — Safety requirements	27.11.2001
CEN	EN 12312-1:2001	Aircraft ground support equipment — Specific requirements — Part 1: Passenger stairs	14.6.2002
CEN	EN 12312-2:2002	Aircraft ground support equipment — Specific requirements — Part 2: Catering vehicles	14.8.2003
CEN	EN 12312-3:2003	Aircraft ground support equipment — Specific requirements — Part 3: Conveyor belt vehicles	This is the first publication
CEN	EN 12312-4:2003	Aircraft ground support equipment — Specific requirements — Part 4: Passenger boarding bridges	This is the first publication
CEN	EN 12312-12:2002	Aircraft ground support equipment — Specific requirements — Part 12: Potable water service equipment	14.8.2003
CEN	EN 12312-13:2002	Aircraft ground support equipment — Specific requirements — Part 13: Lavatory service equipment	14.8.2003
CEN	EN 12321:2003	Underground mining machinery — Specification for the safety requirements of armoured face conveyors	This is the first publication
CEN	EN 12348:2000	Core drilling machines on stand — Safety	10.3.2001
CEN	EN 12355:2003	Food processing machinery — Derinding-, skinning- and membrane removal machines — Safety and hygiene requirements	14.8.2003
CEN	EN 12385-1:2002	Steel wire ropes — Safety — Part 1: General requirements	14.8.2003
CEN	EN 12385-2:2002	Steel wire ropes — Safety — Part 2: Definitions, designations and classification	14.8.2003
CEN	EN 12385-4:2002	Steel wire ropes — Safety — Part 4: Stranded ropes for general lifting applications	14.8.2003
CEN	EN 12409:1999	Rubber and plastics machines — Thermoforming machines — Safety requirements	15.4.2000
CEN	EN 12415:2000	Machine tools — Safety — Small numerically controlled turning machines and turning centres	27.11.2001
CEN	EN 12415/A1: 2002	Safety of machine tools — Small numerically controlled turning machines and turning centres — Amendment 1	14.8.2003
CEN	EN 12417:2001	Machine tools — Safety — Machining centres	14.6.2002
CEN	EN 12418:2000	Masonry and stone cutting-off machines for job site — Safety	27.11.2001

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN 12478:2000	Safety of machine tools — Large numerically controlled turning machines and turning centres	27.11.2001
CEN	EN 12505:2000	Food processing machinery — Centrifugal machines for processing edible oils and fats — Safety and hygiene requirements	27.11.2001
CEN	EN 12525:2000	Agricultural machinery — Front loaders — Safety	20.5.2000
CEN	EN 12545:2000	Footwear, leather and imitation leather goods manufacturing machines — Noise test code — Common requirements	10.3.2001
CEN	EN 12547:1999	Centrifuges — Common safety requirements	11.6.1999
CEN	EN 12549:1999	Acoustics — Noise test code for fastener driving tools — Engineering method	15.4.2000
CEN	EN 12601:2001	Reciprocating internal combustion engine driven generating sets — Safety	14.8.2003
CEN	EN 12622:2001	Safety of machine tools — Hydraulic press brakes	14.6.2002
CEN	EN 12626:1997	Safety of machinery — Laser processing machines — Safety requirements (ISO 11553:1996 — Modified)	4.6.1997
CEN	EN 12629-1:2000	Machines for the manufacture of constructional products from concrete and calcium-silicate — Safety — Part 1: Common requirements	27.11.2001
CEN	EN 12629-2:2002	Machines for the manufacture of constructional products from concrete and calcium-silicate — Safety — Part 2: Block making machines	This is the first publication
CEN	EN 12629-3:2002	Machines for the manufacture of constructional products from concrete and calcium-silicate — Safety — Part 3: Slide and turntable machines	This is the first publication
CEN	EN 12629-4:2001	Machines for the manufacture of constructional products from concrete and calcium-silicate — Safety — Part 4: Concrete roof tile making machines	27.11.2001
CEN	EN 12629-8:2002	Machines for the manufacture of constructional products from concrete and calcium-silicate — Safety — Part 8: Machines and equipment for the manufacture of constructional products from calcium-silicate (and concrete)	This is the first publication
CEN	EN 12639:2000	Liquid pumps and pumps units — Noise test code — Grade 2 and grade 3 of accuracy	10.3.2001
CEN	EN 12643:1997	Earth-moving machinery — Rubber-tyred machines — Steering requirements (ISO 5010:1992 — Modified)	13.3.1998
CEN	EN 12644-1:2000	Cranes — Information for use and testing — Part 1: Instruction	27.11.2001
CEN	EN 12644-2:2000	Cranes — Information for use and testing — Part 2: Marking	20.5.2000
CEN	EN 12653:1999	Footwear, leather and imitation leather manufacturing machines — Nailing machines — Safety requirements	27.11.2001

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN 12717:2001	Safety of machine tools — Drilling machines	14.6.2002
CEN	EN 12733:2001	Agricultural and forestry machinery — Pedestrian controlled motor mowers — Safety	14.6.2002
CEN	EN 12750:2001	Safety of woodworking machines — Four sided moulding machines	14.6.2002
CEN	EN 12840:2001	Safety of machine-tools — Manually controlled turning machines with or without automatic control	14.6.2002
CEN	EN 12852:2001	Food processing machinery — Food processors and blenders — Safety and hygiene requirements	14.6.2002
CEN	EN 12853:2001	Food processing machinery — Hand-held blenders and whisks — Safety and hygiene requirements	14.6.2002
CEN	EN 12854:2003	Food processing machinery — Beam mixers — Safety and hygiene requirements	This is the first publication
CEN	EN 12882:2001	Conveyor belts for general purpose use — Electrical and flammability safety requirements	24.6.2003
CEN	EN 12957:2001	Machine tools — Safety — Electro discharge machines	14.6.2002
CEN	EN 12965:2003	Tractors and machinery for agriculture and forestry — Power take off drive shafts and their guards — Safety	This is the first publication
CEN	EN 12978:2003	Industrial, commercial and garage doors and gates — Safety devices for power operated doors and gates — Requirements and test methods	This is the first publication
CEN	EN 12999:2002	Cranes — Loader cranes	14.8.2003
CEN	EN 13015:2001	Maintenance for lifts and escalators — Rules for maintenance instructions	14.6.2002
CEN	EN 13019:2001	Machines for road surface cleaning — Safety requirements	27.11.2001
CEN	EN 13021:2003	Winter service machines — Safety requirements	This is the first publication
CEN	EN 13023:2003	Noise measurement methods for printing, paper converting, paper making machines and auxiliary equipment — Accuracy grades 2 and 3	This is the first publication
CEN	EN 13035-3:2003	Machines and plants for the manufacture, treatment and processing of flat glass — Safety requirements — Part 3: Cutting machines	This is the first publication
CEN	EN 13035-4:2003	Machines and plants for the manufacture, treatment and processing of flat glass — Safety requirements — Part 4: Tilting tables	This is the first publication
CEN	EN 13042-5:2003	Machines and plants for the manufacture, treatment and processing of hollow glass — Safety requirements — Part 5: Presses	This is the first publication
CEN	EN 13059:2002	Safety of industrial trucks — Test methods for measuring vibrations	14.8.2003

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN 13112:2002	Tannery machines — Splitting and bandknife shearing machines — Safety requirements	24.6.2003
CEN	EN 13113:2002	Tannery machines — Roller coating machines — Safety requirements	24.6.2003
CEN	EN 13114:2002	Tannery machinery — Rotating process vessels — Safety requirements	24.6.2003
CEN	EN 13118:2000	Agricultural machinery — Potato harvesting equipment — Safety	27.11.2001
CEN	EN 13128:2001	Safety of machine tools — Milling machines (including boring machines)	14.6.2002
CEN	EN 13140:2000	Agricultural machinery — Sugar beet and fodder beet harvesting equipment — Safety	27.11.2001
CEN	EN 13155:2003	Cranes — Safety — Non-fixed load lifting attachments	This is the first publication
CEN	EN 13208:2003	Food processing machinery — Vegetable peelers — Safety and hygiene requirements	This is the first publication
CEN	EN 13218:2002	Machine tool — Safety — Stationary grinding machines	14.8.2003
CEN	EN 13241-1:2003	Industrial, commercial and garage doors and gates — Product standard — Part 1: Products without fire resistance or smoke control characteristics	This is the first publication
CEN	EN 13289:2001	Pasta processing plants — Dryers and coolers — Safety and hygiene requirements	14.6.2002
CEN	EN 13378:2001	Pasta processing plants — Pasta presses — Safety and hygiene requirements	14.6.2002
CEN	EN 13379:2001	Pasta processing plants — Spreader, stripping and cutting machine, stick return conveyor, stick magazine — Safety and hygiene requirements	14.6.2002
CEN	EN 13390:2002	Food processing machinery — Pie and tart machines — Safety and hygiene requirements	14.6.2002
CEN	EN 13411-1:2001	Terminations for steel wire ropes — Safety — Part 1: General purpose thimbles	24.6.2003
CEN	EN 13411-2:2001	Terminations for steel wire rope — Safety — Part 2: Splicing of eyes for wire rope slings	14.6.2002
CEN	EN 13411-4:2002	Terminations for steel wire ropes — Safety — Part 4: Metal and resin socketing	14.6.2002
CEN	EN 13411-5:2003	Terminations for steel wire ropes — Safety — Part 5: U-bolt wire rope grips	This is the first publication
CEN	EN 13448:2001	Agricultural and forestry machinery — Inter-row mowing units — Safety	14.6.2002

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN 13478:2001	Safety of machinery — Fire prevention and protection	14.6.2002
CEN	EN 13490:2001	Mechanical vibration — Industrial trucks — Laboratory evaluation and specification of operator seat vibration	14.8.2003
CEN	EN 13510:2000	Earth-moving machinery — Roll-over protective structures — Laboratory tests and performance requirements (ISO 3471:1994, including Amendment 1:1997 — Modified)	16.6.2000
CEN	EN 13524:2003	Highway maintenance machines — Safety requirements	This is the first publication
CEN	EN 13531:2001	Earth-moving machinery — Tip-over structure (TOPS) for compact excavators — Laboratory tests and performance requirements (ISO 12117:1997 — Modified)	14.6.2002
CEN	EN 13627:2000	Earth-moving machinery — Falling-object protective structures — Laboratory tests and performance requirements (ISO 3449:1992 — Modified)	14.6.2002
CEN	EN 13732:2002	Food processing machinery — Bulk milk coolers on farm — Requirements for construction, performance, suitability for use, safety and hygiene	14.8.2003
CEN	EN 13736:2003	Safety of machine tools — Pneumatic presses	14.8.2003
CEN	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)	15.10.1998
CEN	EN 13788:2001	Machine tools — Safety — Multi-spindle automatic turning machines	24.6.2003
CEN	EN ISO 13849-2:2003	Safety of machinery — Safety-related parts of control systems — Part 2: Validation (ISO 13849-2:2003)	This is the first publication
CEN	EN 13862:2001	Floor sawing machines — Safety	14.8.2003
CEN	EN 13889:2003	Forged steel shackles for general lifting purposes — Dee shackles and bow shackles — Grade 6 — Safety	This is the first publication
CEN	EN 13951:2003	Liquid pumps — Safety requirements — Agrifoodstuffs equipment; Design rules to ensure hygiene in use	This is the first publication
CEN	EN 13985:2003	Machine tools — Safety — Guillotine shears	14.8.2003
CEN	EN ISO 14122-1:2001	Safety of machinery — Permanent means of access to machines and industrial plants — Part 1: Choice of a fixed means of access between two levels (ISO 14122-1:2001)	14.6.2002
CEN	EN ISO 14122-2:2001	Safety of machinery — Permanent means of access to machines and industrial plants — Part 2: Working platforms and Walkways (ISO 14122-2:2001)	14.6.2002
CEN	EN ISO 14122-3:2001	Safety of machinery — Permanent means of access to machines and industrial plants — Part 3: Stairways, stepladders and guard-rails (ISO 14122-3:2001)	14.6.2002
CEN	EN ISO 14738:2002	Safety of machinery — Anthropometric requirements for the design of workstations at machinery (ISO 14738:2002)	14.8.2003

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
CEN	EN ISO 14982:1998	Agricultural and forestry machines — Electromagnetic compatibility — Test methods and acceptance criteria (ISO 14982:1998)	15.10.1998
CEN	EN ISO 15744:2002	Hand-held non-electric power tools — Noise measurement code — Engineering method (grade 2) (ISO 15744:2002)	24.6.2003
CEN	EN 28662-1:1992	Hand-held portable power tools — Measurement of vibrations at the handle — Part 1: General (ISO 8662-1:1988)	31.12.1994
CEN	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)	14.2.1996
CEN	EN 28662-2/A1:1995	Hand-held portable tools — Measurement of vibrations at the handle — Part 2: Chipping hammers and riveting hammers — Amendment 1	14.2.1996
CEN	EN 28662-2/A2:2001	Hand-held portable tools — Measurement of vibrations at the handle — Part 2: Chipping hammers and riveting hammers (ISO 8662-2:1992) — Amendment 2	14.6.2002
CEN	EN 28662-3:1994	Hand-held portable tools — Measurement of vibrations at the handle — Part 3: Rock drills and rotary hammers (ISO 8662-3:1992)	14.2.1996
CEN	EN 28662-3/A1:1995	Hand-held portable tools — Measurement of vibrations at the handle — Part 3: Rock drills and rotary hammers — Amendment 1	14.2.1996
CEN	EN 28662-3/A2:2001	Hand-held portable power tools — Measurement of vibrations at the handle — Part 3: Rock drills and rotary hammers (ISO 8662-3:1992.AM 1:1999) — Amendment 2	14.6.2002
CEN	EN 28662-5:1994	Hand-held portable tools — Measurement of vibrations at the handle — Part 5: Pavement breakers and hammers for construction work (ISO 8662-5:1992)	14.2.1996
CEN	EN 28662-5/A1:1995	Hand-held portable tools — Measurement of vibrations at the handle — Part 5: Pavement breakers and hammers for construction work — Amendment 1	14.2.1996
CEN	EN 28662-5/A2:2001	Hand-held portable tools — Measurement of vibrations at the handle — Part 5: Pavement breakers and hammers for construction work — Amendment 2	This is the first publication
CEN	EN 30326-1:1994	Mechanical vibration — Laboratory method for evaluating vehicle seat vibration — Part 1: Basic requirements (ISO 10326-1:1992)	14.2.1996
CEN	EN 31252:1994	Lasers and laser-related equipment — Laser device — Minimum requirements for documentation (ISO 11252:1993)	31.12.1994
CEN	EN 31253:1994	Laser and laser-related equipment — Laser device — Mechanical interfaces (ISO 11253:1993)	31.12.1994
Cenelec	EN 50144-1:1998	Safety of hand-held electric motor operated tools — Part 1: General requirements	15.4.2000

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
Cenelec	EN 50144-1/A1:2002	Safety of hand-held electric motor operated tools — Part 1: General requirements — Amendment 1	24.6.2003
Cenelec	EN 50144-1/A2:2003	Safety of hand-held electric motor operated tools — Part 1: General requirements — Amendment 2	This is the first publication
Cenelec	EN 50144-2-1:1999	Safety of hand-held electric motor operated tools — Part 2-1: Particular requirements for drills	20.5.2000
Cenelec	EN 50144-2-2:1999	Safety of hand-held electric motor operated tools — Part 2-2: Particular requirements for screwdrivers and impact wrenches	20.5.2000
Cenelec	EN 50144-2-3:2002	Safety of hand-held electric motor operated tools — Part 2-3: Particular requirements for grinders, disk type sanders and polishers	14.8.2003
Cenelec	EN 50144-2-3/A1:2002	Safety of hand-held electric motor operated tools — Part 2-3: Particular requirements for grinders, disk type sanders and polishers — Amendment 1	14.8.2003
Cenelec	EN 50144-2-3/A2:2003	Safety of hand-held electric motor operated tools — Part 2-3: Particular requirements for grinders, disk type sanders and polishers — Amendment 2	This is the first publication
Cenelec	EN 50144-2-4:1999	Safety of hand-held electric motor operated tools — Part 2-4: Particular requirements for sanders	20.5.2000
Cenelec	EN 50144-2-5:1999	Safety of hand-held electric motor operated tools — Part 2-5: Particular requirements for circular saws and circular knives	20.5.2000
Cenelec	EN 50144-2-6:2000	Safety of hand-held electric motor operated tools — Part 2-6: Particular requirements for hammers	27.11.2001
Cenelec	EN 50144-2-6/A1:2001	Safety of hand-held electric motor operated tools — Part 2-6: Particular requirements for hammers — Amendment 1	27.11.2001
Cenelec	EN 50144-2-7:2000	Safety of hand-held electric motor operated tools — Part 2-7: Particular requirements for spray guns	27.11.2001
Cenelec	EN 50144-2-10:2001	Safety of hand-held electric motor operated tools — Part 2-10: Particular requirements for jig saws	27.11.2001
Cenelec	EN 50144-2-13:2002	Safety of hand-held electric motor operated tools — Part 2-13: Particular requirements for chain saws	14.8.2003
Cenelec	EN 50144-2-14:2001	Safety of hand-held electric motor operated tools — Part 2-14: Particular requirements for planers	27.11.2001
Cenelec	EN 50144-2-15:2001	Safety of hand-held electric motor operated tools — Part 2-15: Particular requirements for hedge trimmers	27.11.2001
Cenelec	EN 50144-2-16:2003	Safety of hand-held electric motor operated tools — Part 2-16: Particular requirements for tackers	This is the first publication
Cenelec	EN 50144-2-17:2000	Safety of hand-held electric motor operated tools — Part 2-17: Particular requirements for routers	20.5.2000

ESO (1)	Reference	Title of the harmonised standards	First publication (OJ) (2)
Cenelec	EN 50144-2-18:2000	Safety of hand-held electric motor operated tools — Part 2-18: Particular requirements for laminate trimmers	20.5.2000
Cenelec	EN 50260-1:2002	Safety of hand-held battery-powered motor-operated tools and battery packs — Part 1: General requirements	24.6.2003
Cenelec	EN 50260-2-1:2002	Safety of hand-held battery-powered motor-operated tools and battery packs — Part 2-1: Particular requirements for drills	24.6.2003
Cenelec	EN 50260-2-2:2002	Safety of hand-held battery-powered motor-operated tools and battery packs — Part 2-2: Particular requirements for screwdrivers and impact wrenches	24.6.2003
Cenelec	EN 50260-2-4:2002	Safety of hand-held battery-powered motor-operated tools and battery packs — Part 2-4: Particular requirements for sanders	24.6.2003
Cenelec	EN 50260-2-5:2002	Safety of hand-held battery-powered motor-operated tools and battery packs — Part 2-5: Particular requirements for circular saws and circular knives	24.6.2003
Cenelec	EN 50260-2-6:2002	Safety of hand-held battery-powered motor-operated tools and battery packs — Part 2-6: Particular requirements for hammers	24.6.2003
Cenelec	EN 50260-2-7:2002	Safety of hand-held battery-powered motor-operated tools and battery packs — Part 2-7: Particular requirements for spray guns	24.6.2003
Cenelec	EN 50260-2-10:2002	Safety of hand-held battery-powered motor-operated tools and battery packs — Part 2-10: Particular requirements for reciprocating saws	24.6.2003
Cenelec	EN 50260-2-14:2002	Safety of hand-held battery-powered motor-operated tools and battery packs — Part 2-14: Particular requirements for routers and laminate trimmers	24.6.2003
Cenelec	EN 50338:2000	Safety of household and similar electrical appliances — Particular requirements for pedestrian controlled battery powered electrical lawnmowers	27.11.2001
Cenelec	EN 60204-1:1997	Safety of machinery — Electrical equipment of machines — Part 1: General requirements (IEC 60204-1:1997)	20.5.2000
Cenelec	EN 60204-11:2000	Safety of machinery — Electrical equipment of machines — Part 11: Requirements for HV equipment for voltages above 1 000 V a.c. or 1 500 V d.c. and not exceeding 36 kV (IEC 60204-11:2000)	27.11.2001
Cenelec	EN 60204-31:1998	Safety of machinery — Electrical equipment of machines — Part 31: Particular safety and EMC requirements for sewing machines, units and systems (IEC 60204-31:1996 — Modified)	15.4.2000
Cenelec	EN 60204-32:1998	Safety of machinery — Electrical equipment of machines — Part 32: Requirements for hoisting machines (IEC 60204-32:1998)	15.4.2000
Cenelec	EN 60335-1:1994	Safety of household and similar electrical appliances — Part 1: General requirements (IEC 60335-1:1991 — Modified)	15.4.2000

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
Cenelec	EN 60335-1/A1:1996	Safety of household and similar electrical appliances — Part 1: General requirements — Amendment 1 (IEC 60335-1:1991/A1:1994 — Modified)	15.4.2000
Cenelec	EN 60335-1/A2:2000	Safety of household and similar electrical appliances — Part 1: General requirements — Amendment 2 (IEC 60335-1:1991/A2:1999)	27.11.2001
Cenelec	EN 60335-1/A11:1995	Safety of household and similar electrical appliances — Part 1: General requirements — Amendment 11	15.4.2000
Cenelec	EN 60335-1/A12:1996	Safety of household and similar electrical appliances — Part 1: General requirements — Amendment 12	15.4.2000
Cenelec	EN 60335-1/A13:1998	Safety of household and similar electrical appliances — Part 1: General requirements — Amendment 13	15.4.2000
Cenelec	EN 60335-1/A14:1998	Safety of household and similar electrical appliances — Part 1: General requirements — Amendment 14	15.4.2000
Cenelec	EN 60335-1/A15:2000	Safety of household and similar electrical appliances — Part 1: General requirements — Amendment 15	10.3.2001
Cenelec	EN 60335-1/A16:2001	Safety of household and similar electrical appliances — Part 1: General requirements — Amendment 16	27.11.2001
Cenelec	EN 60335-1:2002	Household and similar electrical appliances — Safety — Part 1: General requirements (IEC 60335-1:2001 — Modified)	14.8.2003
Cenelec	EN 60335-2-64:2000	Safety of household and similar electrical appliances — Part 2-64: Particular requirements for commercial electric kitchen machines (IEC 60335-2-64:1997 — Modified)	20.5.2000
Cenelec	EN 60335-2-64/A1:2002	Safety of household and similar electrical appliances — Part 2-64: Particular requirements for commercial electric kitchen machines — Amendment 1 (IEC 60335-2-64:1997/A1:2000 — Modified)	24.6.2003
Cenelec	EN 60335-2-72:1998	Safety of household and similar electrical appliances — Part 2-72: Particular requirements for automatic machines for floor treatment for commercial and industrial use (IEC 60335-2-72:1995 — Modified)	15.4.2000
Cenelec	EN 60335-2-72/A1:2000	Safety of household and similar electrical appliances — Part 2-72: Particular requirements for automatic machines for floor treatment for commercial and industrial use — Amendment 1 (IEC 60335-2-72:1995/A1:2000)	10.3.2001
Cenelec	EN 60335-2-77:2000	Safety of household and similar electrical appliances — Part 2-77: Particular requirements for pedestrian controlled mains-operated lawnmowers (IEC 60335-2-77:1996 — Modified)	27.11.2001
Cenelec	EN 60745-1:2003	Hand-held motor-operated electric tools — Safety — Part 1: General requirements (IEC 60745-1:2001 — Modified)	This is the first publication
Cenelec	EN 60745-1/A1:2003	Hand-held motor-operated electric tools — Safety — Part 1: General requirements — Amendment 1 (IEC 60745-1:2001/A1:2002)	This is the first publication

ESO (1)	Reference	Title of the harmonised standards	First publication (OJ) (2)
Cenelec	EN 60745-2-1:2003	Hand-held motor-operated electric tools — Safety — Part 2-1: Particular requirements for drills and impact drills (IEC 60745-2-1:2003 — Modified)	This is the first publication
Cenelec	EN 60745-2-2:2003	Hand-held motor-operated electric tools — Safety — Part 2-2: Particular requirements for screwdrivers and impact wrenches (IEC 60745-2-2:2003 — Modified)	This is the first publication
Cenelec	EN 60745-2-4:2003	Hand-held motor-operated electric tools — Safety — Part 2-4: Particular requirements for sanders and polishers other than disk type (IEC 60745-2-4:2002 — Modified)	This is the first publication
Cenelec	EN 60745-2-5:2003	Hand-held motor-operated electric tools — Safety — Part 2-5: Particular requirements for circular saws (IEC 60745-2-5:2003 — Modified)	This is the first publication
Cenelec	EN 60745-2-6:2003	Hand-held motor-operated electric tools — Safety — Part 2-6: Particular requirements for hammers (IEC 60745-2-6:2003 — Modified)	This is the first publication
Cenelec	EN 60745-2-8:2003	Hand-held motor-operated electric tools — Safety — Part 2-8: Particular requirements for shears and nibblers (IEC 60745-2-8:2003 — Modified)	This is the first publication
Cenelec	EN 60745-2-9:2003	Hand-held motor-operated electric tools — Safety — Part 2-9: Particular requirements for tappers (IEC 60745-2-9:2003 — Modified)	This is the first publication
Cenelec	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)	This is the first publication
Cenelec	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)	This is the first publication
Cenelec	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)	This is the first publication
Cenelec	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)	This is the first publication
Cenelec	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)	24.6.2003
Cenelec	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)	10.3.2001
Cenelec	EN 61029-1:2000	Safety of transportable motor-operated electric tools — Part 1: General requirements (IEC 61029-1:1990 — Modified)	10.3.2001
Cenelec	EN 61029-1/A11:2003	Safety of transportable motor-operated electric tools — Part 1: General requirements — Amendment 11	This is the first publication

ESO ⁽¹⁾	Reference	Title of the harmonised standards	First publication (OJ) ⁽²⁾
Cenelec	EN 61029-1/A12:2003	Safety of transportable motor-operated electric tools — Part 1: General requirements — Amendment 12	This is the first publication
Cenelec	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)	24.6.2003
Cenelec	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)	14.8.2003
Cenelec	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)	This is the first publication
Cenelec	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)	This is the first publication
Cenelec	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)	14.8.2003
Cenelec	EN 61310-1:1995	Safety of machinery — Indication, marking and actuation — Part 1: Requirements for visual, auditory and tactile signals (IEC 61310-1:1995)	15.4.2000
Cenelec	EN 61310-2:1995	Safety of machinery — Indication, marking and actuation — Part 2: Requirements for marking (IEC 61310-2:1995)	15.4.2000
Cenelec	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)	15.4.2000
Cenelec	EN 61496-1:1997	Safety of machinery — Electro-sensitive protective equipment — Part 1: General requirements and tests (IEC 61496-1:1997)	15.4.2000

⁽¹⁾ ESO (European standardisation organisation):

— CEN: rue de Stassart 36, B-1050 Brussels, tel. (32-2) 550 08 11, fax (32-2) 550 08 19.

— Cenelec: rue de Stassart 35, B-1050 Brussels, tel. (32-2) 519 68 71, fax (32-2) 519 69 19.

⁽²⁾ Date from which the use of this standard confers the presumption of conformity to the essential requirements it covers.

NOTE:

Any information concerning the availability of the standards can be obtained either from the European standardisation organisations or from the national standardisation bodies of which the list is annexed to the Directive 98/34/EC ⁽¹⁾ of the European Parliament and Council amended by directive 98/48/EC ⁽²⁾.

Publication of the references in the *Official Journal of the European Union* does not imply that the standards are available in all the Community languages.

This list replaces all the previous lists published in the *Official Journal of the European Union*. The Commission ensures the updating of this list.

Further information may be found on Europa at:

<http://europa.eu.int/comm/enterprise/newapproach/standardization/harmstds/reflist/machines.html>

⁽¹⁾ OJ L 204, 21.7.1998, p. 37.

⁽²⁾ OJ L 217, 5.8.1998, p. 18.

Authorisation for State aid pursuant to Articles 87 and 88 of the EC Treaty**Cases where the Commission raises no objections**

(2004/C 95/03)

(Text with EEA relevance)

Date of adoption of the decision: 18.2.2004**Member State:** Sweden**Aid No:** N 484/03 and N 497/03**Title:** N 484/03: Modification of CO₂ tax reduction for the manufacturing industry

N 497/03: Prolongation of the 1,2 % rule and modification of the 0,8 % rule

Objective: N 484/03: To maintain the current CO₂ tax level for the manufacturing sector when the general tax rate is raised by 18 %N 497/03: To maintain the present CO₂ tax level for industrial companies producing goods from non-metal mineral substances and to adjust the 0,8 % rule to ensure that the minimum levels set out in the Energy Tax Directive are respected**Legal basis:**

— Lag (1994:1776) om skatt på energi

— Lag (1997:479) om ändring av lag (1994:1776) om skatt på energi

Budget: N 484/03: ca. SEK 5 000 million (ca. EUR 559 million) annuallyN 497/03: *1,2-rule:* approximately SEK 23,3 million (approximately EUR 2,6 million) annually, *0,8-rule:* approximately SEK 162 million (approximately EUR 17,8 million) annually**Aid intensity or amount:** N 484/03: 79 % tax relief

N 497/03: N.a.

Duration: N 484/03: 1.1.2004-31.12.2005N 497/03: *1,2-rule:* 1.1.2004-31.12.2005, *0,8-rule:* 1.1.2005-31.12.2005**Other information:** Annual report

The authentic text(s) of the decision, from which all confidential information has been removed, can be found at

http://europa.eu.int/comm/secretariat_general/sgb/state_aids**Date of adoption of the decision:** 16.3.2004**Member State:** United Kingdom**Aid No:** N 607/03**Title:** Extension of the three-year delivery limit for 'Mirabella V' Super Yacht**Objective:** Shipbuilding**Legal basis:** Shipbuilding Intervention Fund, Shipbuilders Relief**Aid intensity or amount:** 9 % of the contractual value of the vessel

The authentic text(s) of the decision, from which all confidential information has been removed, can be found at

http://europa.eu.int/comm/secretariat_general/sgb/state_aids

Values of thresholds under the directives on public procurement applicable from 1 January 2004

(2004/C 95/04)

1. The values of the thresholds applicable as of 1 January 2004 for public supplies contracts pursuant to Council Directive 93/36/EEC ⁽¹⁾ and to the Agreement on Government Procurement (hereinafter referred to as the GPA), as concluded by the Council on behalf of the Community (Decision 94/800/EC ⁽²⁾ of 22 December 1994), are as follows:

Euro	200 000	750 000	154 014	236 945
			SDR 130 000	SDR 200 000
CYP Cyprus Pound	115 591	433 465	89 013	136 943
CZK Czech Koruna	6 305 540	23 645 776	4 855 714	7 470 329
EEK Estonian Kroon	3 129 320	11 734 950	2 409 799	3 707 383
HUF Hungarian forint	49 452 699	185 447 620	38 082 093	58 587 835
LTL Lithuanian Litas	696 049	2 610 182	536 007	824 626
LVL Latvian Lats	119 146	446 799	91 751	141 156
MTL Malta lira	82 660	309 973	63 654	97 929
PLN New Polish Zloty	795 929	2 984 733	612 922	942 957
SIT Slovenian Tolar	45 440 739	170 402 770	34 992 598	53 834 767
SKK Slovak Koruna	8 490 075	31 837 780	6 537 961	10 058 401

2. The values of the thresholds applicable as of 1 January 2004 for works contracts pursuant to Council Directive 93/37/EEC ⁽³⁾ and to the GPA, as concluded by the Council on behalf of the Community (Decision 94/800/EC), are as follows:

Euro	1 000 000	5 000 000	5 923 624
			SDR 5 000 000
CYP Cyprus Pound	577 953	2 889 765	3 423 576
CZK Czech Koruna	31 527 701	157 638 504	186 758 234
EEK Estonian Kroon	15 646 600	78 233 000	92 684 570
HUF Hungarian forint	247 263 494	1 236 317 470	1 464 695 882
LTL Lithuanian Litas	3 480 243	17 401 215	20 615 650
LVL Latvian Lats	595 732	2 978 659	3 528 891
MTL Malta lira	413 298	2 066 489	2 448 221
PLN New Polish Zloty	3 979 645	19 898 223	23 573 917
SIT Slovenian Tolar	227 203 693	1 136 018 464	1 345 869 169
SKK Slovak Koruna	42 450 373	212 251 867	251 460 037

⁽¹⁾ OJ L 199, 9.8.1993, p. 1.

⁽²⁾ OJ L 336, 23.12.1994, p. 1.

⁽³⁾ OJ L 199, 9.8.1993, p. 54.

3. The values of the thresholds applicable as of 1 January 2004 for public service contracts pursuant to Council Directive 92/50/EEC ⁽¹⁾ and to the GPA, as concluded by the Council on behalf of the Community (Decision 94/800/EC), are as follows:

Euro	80 000	750 000	200 000	154 014	236 945
				SDR 130 000	SDR 200 000
CYP Cyprus Pound	46 236	433 465	115 591	89 013	136 943
CZK Czech Koruna	2 522 216	23 645 776	6 305 540	4 855 714	7 470 329
EEK Estonian Kroon	1 251 728	11 734 950	3 129 320	2 409 799	3 707 383
HUF Hungarian forint	19 781 080	185 447 620	49 452 699	38 082 093	58 587 835
LTL Lithuanian Litas	278 419	2 610 182	696 049	536 007	824 626
LVL Latvian Lats	47 659	446 799	119 146	91 751	141 156
MTL Malta lira	33 064	309 973	82 660	63 654	97 929
PLN New Polish Zloty	318 372	2 984 733	795 929	612 922	942 957
SIT Slovenian Tolar	18 176 295	170 402 770	45 440 739	34 992 598	53 834 767
SKK Slovak Koruna	3 396 030	31 837 780	8 490 075	6 537 961	10 058 401

4. The values of the thresholds applicable as of 1 January 2004 for supplies contracts and service contracts and for works contracts pursuant to Council Directive 93/38/EEC ⁽²⁾ and to the GPA, as concluded by the Council on behalf of the Community (Decision 94/800/EC), are as follows:

Euro	400 000	600 000	750 000	1 000 000	5 000 000
CYP Cyprus Pound	231 181	346 772	433 465	577 953	2 889 765
CZK Czech Koruna	12 611 080	18 916 620	23 645 776	31 527 701	157 638 504
EEK Estonian Kroon	6 258 640	9 387 960	11 734 950	15 646 600	78 233 000
HUF Hungarian forint	98 905 398	148 358 096	185 447 620	247 263 494	1 236 317 470
LTL Lithuanian Litas	1 392 097	2 088 146	2 610 182	3 480 243	17 401 215
LVL Latvian Lats	238 293	357 439	446 799	595 732	2 978 659
MTL Malta lira	165 319	247 979	309 973	413 298	2 066 489
PLN New Polish Zloty	1 591 858	2 387 787	2 984 733	3 979 645	19 898 223
SIT Slovenian Tolar	90 881 477	136 322 216	170 402 770	227 203 693	1 136 018 464
SKK Slovak Koruna	16 980 149	25 470 224	31 837 780	42 450 373	212 251 867

⁽¹⁾ OJ L 209, 24.7.1992, p. 1.

⁽²⁾ OJ L 199, 9.8.1993, p. 84.

Euro	473 890	5 923 624
	SDR 400 000	SDR 5 000 000
CYP Cyprus Pound	273 886	3 423 576
CZK Czech Koruna	14 940 659	186 758 234
EEK Estonian Kroon	7 414 766	92 684 570
HUF Hungarian forint	117 175 671	1 464 695 882
LTL Lithuanian Litas	1 649 252	20 615 650
LVL Latvian Lats	282 311	3 528 891
MTL Malta lira	195 858	2 448 221
PLN New Polish Zloty	1 885 913	23 573 917
SIT Slovenian Tolar	107 669 534	1 345 869 169
SKK Slovak Koruna	20 116 803	251 460 037

5. The value of thresholds in national currencies will not change during the reference period.
6. The value of threshold in national currencies will not change during the reference period.

Non-opposition to a notified concentration

(Case COMP/M.3330 — RTL/M6)

(2004/C 95/05)

(Text with EEA relevance)

On 12 March 2004, the Commission decided not to oppose the above notified concentration and to declare it compatible with the common market. This decision is based on Article 6(1)(b) of Council Regulation (EEC) No 4064/89. The full text of the decision is only available in English and will be made public after it is cleared of any business secrets it may contain. It will be available:

- as a paper version through the sales offices of the Office for Official Publications of the European Communities (see list on the last page),
- in electronic form in the 'CEN' version of the CELEX database, under document No 304M3330. CELEX is the computerised documentation system of European Community law.

For more information concerning subscriptions please contact:

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L-2985 Luxembourg.
Tel. (352) 29 29 427 18, fax (352) 29 29 427 09.

Non-opposition to a notified concentration**(Case COMP/M.3386 — SEI/Fujitsu/FQD)**

(2004/C 95/06)

(Text with EEA relevance)

On 29 March 2004, the Commission decided not to oppose the above notified concentration and to declare it compatible with the common market. This decision is based on Article 6(1)(b) of Council Regulation (EEC) No 4064/89. The full text of the decision is only available in English and will be made public after it is cleared of any business secrets it may contain. It will be available:

- as a paper version through the sales offices of the Office for Official Publications of the European Communities (see list on the last page),
- in electronic form in the 'CEN' version of the CELEX database, under document No 304M3386. CELEX is the computerised documentation system of European Community law.

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III

(Notices)

COUNCIL

Texts published in the *Official Journal of the European Union* C 95 E

(2004/C 95/07)

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⁽¹⁾ Text with EEA relevance