



Area of application: basic principles

Index of valid directives and standards applied to machinery

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Suva
Swiss National Accident Insurance Fund
Section Technology
Accredited Certification Body SCESp 0008
European notified body, identification number 1246
P. O. Box 4358
CH-6002 Lucerne
Switzerland

Telephone +41 (0) 41 419 61 31

<http://www.suva.ch/certification-e>

**Index of valid directives and standards
applied to machinery**

Author : Guido Schmitter, Urs Bühlmann
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Index of the valid directives and standards applied to machinery

EU directives

Number	Title
2006/42/EC [formerly 98/37/EC]	Directive of the European Parliament and of the Council of 17 May 2006 relating to machinery. ⇒ This EC Directive is applicable to all machinery since 29 December 2009. ⇒ This Directive is applicable to portable cartridge-operated fixing and other impact machinery since 29 June 2011.
2009/127/EC	and its amendment of 21 October 2009 ⇒ This Directive is applicable to machinery for pesticide application since 15 December 2011.

European standards [CEN and CENELEC]

*The Commission publishes in the Official Journal of the European Union the references of the harmonised standards conferring presumption of conformity.

Number: year of issue	Title	type standard	* presumption of conformity (yes = x)
EN 115-1:2017	Safety rules for the construction and installation of escalators and passenger conveyors	C	x
EN 280:2013 +A1:2015	Mobile elevating work platforms - Design calculations- Stability criteria - Construction - Safety - Examinations and tests	C	x
EN 280-1:2022	Mobile elevating work platforms – Part1: Design calculations- Stability criteria - Construction - Safety - Examinations and tests	C	-
EN 280-2:2022	Mobile elevating work platforms - Part 2: Additional safety requirements for load lifting appliances on the extending lifting structure and work platform	C	-

Number: year of issue	Title	type standard	* presumption of conformity (yes = x)
EN 289:2014	Plastics and rubber machines – Compression moulding machines and transfer moulding machines - Safety requirements	C	x
EN 378-1: 2016+A1:2020	Refrigerating systems and heat pumps - Safety and environmental requirements Part 1: Basic requirements, defini- tions, classification and selection criteria	C	-
EN 378-2:2016	Refrigerating systems and heat pumps - Safety and environmental requirements Part 2: Design, construction, testing, marking and documentation	C	x
EN 415-1:2014	Packaging machines safety Part 1: Terminology and classification of packaging machines and asso- ciated equipment	C	x
EN 415-2:1999	Packaging machines safety Part 2: Pre-formed rigid container packaging machines	C	-
EN 415-3:1999 +A1:2009	Safety of packaging machines Part 3: Form, fill and seal machines	C	x
EN 415-3:2021	Safety of packaging machines Part 3: Form, fill and seal machines	C	
EN 415-4:1997	Safety of packaging machines Part 4: Palletisers and depalletisers	C	-
EN 415-5:2006 +A1:2009	Safety of packaging machines Part 5: Wrapping machines	C	x
EN 415-6:2013	Safety of packaging machines Part 6: Pallet wrapping machines	C	x
EN 415-7:2006 +A1:2008	Safety of packaging machines Part 7: Group and secondary packaging machines	C	x
EN 415-8:2008	Safety of packaging machines Part 8: Strapping machines	C	x
EN 415-10:2014	Safety of packaging machines Part 10: General Requirements	C	x
EN 422:2009	Plastics and rubber machines - Blow moulding machines - Safety requirements	C	x
EN 474-1:2006 +A6:2019	Earth-moving machinery - Safety Part 1: General requirements	C	x

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EN 474-1:2022	Earth-moving machinery - Safety Part 1: General requirements	C	-
EN 528:2008	Rail dependent storage and retrieval equipment - Safety	C	x
EN 528:2021 +A1:2022	Rail dependent storage and retrieval equipment - Safety	C	-
EN 547-1:1996 +A1:2008	Safety of machinery - Human body dimensions Part 1: Principles for determining the dimensions required of for openings for whole body access into machinery	B	x
EN 547-2:1996 +A1:2008	Safety of machinery - Human body dimensions Part 2: Principles for determining the dimensions required for access openings	B	x
EN 547-3:1996 +A1:2008	Safety of machinery - Human body measurements Part 3: Anthropometric data	B	x
EN 609-1:2017	Agricultural and forestry machinery - Safety of log splitters Part 1: Wedge splitters	C	x
EN 609-2:1999 +A1:2009	Agricultural and forestry machinery - Safety of log splitters Part 2: Screw splitters	C	x
EN 614-1:2006 +A1:2009	Safety of machinery - Ergonomic design principles Part 1: Terminology and general principles	B	x
EN 614-2:2000 +A1:2008	Safety of machinery - Ergonomic design principles Part 2: Interactions between the design of machinery and work tasks	B	x
EN 617:2001 +A1:2010	Continuous handling equipment and systems - Safety and EMC require- ments for the equipment for the storage of bulk materials in silos, bunkers, bins and hoppers	C	x
EN 618:2002 +A1:2010	Continuous handling equipment and systems - Safety and EMC require- ments for equipment for mechanical handling of bulk materials except fixed belt conveyors	C	x

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EN 619:2002 +A1:2010	Continuous handling equipment and systems - Safety and EMC requirements for equipment for mechanical handling of unit loads	C	x
EN 619:2022	Continuous handling equipment and systems - Safety and EMC requirements for equipment for mechanical handling of unit loads	C	-
EN 620:2002 +A1:2010	Continuous handling equipment and systems - Safety and EMC requirements for fixed belt conveyors for bulk materials	C	x
EN 620:2021	Continuous handling equipment and systems - Safety and EMC requirements for fixed belt conveyors for bulk materials	C	-
EN 627:1995	Specification for data logging and monitoring of lifts, escalators and passenger conveyors	-	-
EN 690:2013	Agricultural machinery - Manure spreaders - Safety	C	x
EN 709:1997 +A4:2009/AC:2012	Agricultural and forestry machinery - Pedestrian controlled tractors with mounted rotary cultivator, motor hoes, motor hoes with drive wheel(s) - Safety	C	x
EN 809:1998 +A1:2009/AC:2010	Pumps and pump units for liquids - Common safety requirements	-	x
EN 842:1996 +A1:2008	Safety of machinery - Visual danger signals - General requirements, design and testing	-	x
EN 848-2:2007 +A2:2012	Safety of woodworking machines - One side moulding machines with rotating tool Part 2: Single spindle handfed/ integrated fed routing machines	C	x
EN 894-1:1997 +A1:2008	Safety of machinery - Ergonomic requirements for the design of displays and control actuators Part 1: Human interactions with displays and control actuators	B	x
EN 894-2:1997 +A1:2008	Safety of machinery - Ergonomic requirements for the design of displays and control actuators Part 2: Displays	B	x

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EN 894-3:2000 +A1:2008	Safety of machinery - Ergonomic requirements for the design of displays and control actuators Part 3: Control actuators	B	x
EN 894-4:2010	Safety of machinery - Ergonomic requirements for the design of displays and control actuators Part 4: Location an arrangement of displays and control actuators	B	x
EN 981 :1996 +A1:2008	Safety of machinery - System of danger and non-danger signals with sound and light	B	-
EN 1005-1:2001 +A1:2008	Safety of machinery - Human physical performance Part 1: Terms and definitions	B	x
EN 1005-2:2003 +A1:2008	Safety of machinery - Human physical performance Part 2: Manual handling of machinery and component parts of machinery	B	x
EN 1005-3:2002 +A1:2008	Safety of machinery - Human physical performance Part 3: Recommended force limits for machinery operation	B	x
EN 1005-4:2005 +A1:2008	Safety of machinery - Human physical performance Part 4: Evaluation of working postures in relation to machinery	B	x
EN 1010-1:2004 +A1:2010	Safety of machinery - Safety requirements for the design and construction of printing and paper converting machines Part 1: Common requirements	C	x
EN 1034-1:2000 +A1:2010	Safety of machinery - Safety requirements for the design and construction of paper making and finishing machines Part 1: Common requirements	C	x
EN 1093-1:2008	Safety of machinery - Evaluation of the emission of airborne hazardous substances Part 1: Selection of test methods	B	x
EN 1114-1:2011	Plastics and rubber machines - Extruders and extrusion lines Part 1: Safety requirements for extruders	C	x

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EN 1114-2:1998 +A1:2008	Plastics and rubber machines - Extruders and extrusion lines Part 2: Safety requirements for die face pelletisers	C	-
EN 1114-3:2019	Plastics and rubber machines - Extruders and extrusion lines Part 3: Safety requirements for haul-offs	C	x
EN 1127-1:2019	Explosive atmospheres - Explosion prevention and protection - Part 1: Basic concepts and methodology	B	x
EN 1127-2:2014	Explosive atmospheres - Explosion prevention and protection - Part 2: Basic concepts and methodology for mining	B	x
EN 1175:2020	Safety of industrial trucks - Electrical / electronic requirements	C	x
EN ISO 1346:2021	Fibre ropes for general service - Polypropylene	-	-
EN 1398:2009	Dock levellers	C	x
EN 1417:2014	Plastics and rubber machines - Two-roll mills - Safety requirements	C	x
EN 1459-1:2017	Rough-terrain trucks - Safety requirements and verification Part 1: Variable-reach trucks	C	x
EN 1459-1:2020	Rough-terrain trucks - Safety requirements and verification Part 1: Variable-reach trucks	C	-
EN 1459-2:2015 +A1:2018	Rough-terrain trucks - Safety requirements and verification Part 2: Slewing variable-reach trucks	C	x
EN 1459-5:2020	Rough-terrain trucks - Safety requirements and verification Part 5: Attachment interface	C	x
EN 1459-9:2021	Rough-terrain trucks - Safety requirements and verification Part 9: Variable-reach trucks equip- ped with work platforms having a front guard that can be opened	C	-
EN 1493:2010	Vehicle lifts	C	x
EN 1494:2000 +A1:2008	Mobile or movable Jacks and asso- ciated lifting equipment	C	x
EN 1495:2009	Lifting platforms - Mast climbing work platforms	C	x

Number: year of issue	Title	type standard	* presumption of conformity (yes = x)
EN 1501-1:2021	Refuse collection vehicles and their associated lifting devices - General requirements and safety requirements Part 1: Rear-end loaded refuse collection vehicles	C	x
EN 1501-2:2021	Refuse collection vehicles and associated lifting devices - General requirements and safety requirements Part 2: Side loaded refuse collection vehicles	C	x
EN 1526:2008	Safety of industrial trucks - Additional requirements for automated functions on trucks	C	-
EN 1550:1997 +A1:2008	Machines-tools safety - Safety requirements for the design and construction of work holding chucks	C	x
EN 1570-1:2011 +A1:2014	Safety requirements for lifting tables Part 1: Lifting tables serving up to two fixed	C	x
EN 1570-2:2016	Safety requirements for lifting tables Part 2: Lifting tables serving more than 2 fixed landings of a building, for lifting goods with a vertical travel speed not exceeding 0,15 m/s	C	x
EN 1612:2019	Plastics and rubber machines - Reaction moulding machines and plants - Safety requirements	C	x
EN 1672-1:2014	Food processing machinery - Basic concepts Part 1: Safety requirements	C	-
EN 1672-2:2005 +A1:2009	Food processing machinery - Basic concepts Part 2: Hygiene requirements	C	x
EN 1672-2:2020	Food processing machinery - Basic concepts Part 2: Hygiene requirements	C	-
EN 1679-1:1998 +A1:2011	Reciprocating internal combustion engines - Safety Par 1: Compression ignition engines	C	x
EN 1755:2000 +A2:2013	Safety of industrial trucks - Operation in potentially explosive atmospheres - Use in flammable gas, vapour, mist and dust	C	x

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EN 1755:202015	Safety of industrial trucks - Operation in potentially explosive atmospheres - Use in flammable gas, vapour, mist and dust	C	-
EN 1756-1:2021	Tail lifts - Platform lifts for mounting on wheeled vehicles - Safety requirements Part 1: Tail lifts for goods	C	x
EN 1756-2:2004 +A1:2009	Tail lifts - Platform lifts for mounting on wheeled vehicles - Safety requirements Part 2: Tail lifts for passengers	C	x
EN 1777:2010	Hydraulic platforms (HPs) for fire fighting and rescue services - Safety requirements and testing	C	x
EN 1808:2015	Safety requirements on Suspended Access Equipment - Design calculations, Stability criteria, Construction - Tests	C	x
EN 1837:2020	Safety of machinery - Integral lighting of machines	B	-
EN 1870-3:2001 +A1:2009	Safety of woodworking machines - Circular sawing machines Part 3: Down cutting cross-cut saws and dual purpose down cutting cross-cut saws/circular saw benches	C	x
EN 1870-4:2012	Safety of woodworking machines - Circular sawing machines Part 4: Multiblade rip sawing machines with manual loading and/or unloading	C	x
EN 1870-5:2002 +A2:2012	Safety of woodworking machines - Circular sawing machines Part 5: Circular saw benches/up-cutting cross-cut sawing machines	C	x
EN 1870-6:2017	Safety of woodworking machines - Circular sawing machines Part 6: Firewood sawing machine/circular saw bench with manual loading and/or unloading	C	x
EN 1870-7:2012	Safety of woodworking machines - Circular sawing machines Part 7: Single blade log sawing machines with integrated feed table and manual loading and/or unloading	C	x

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EN 1870-8:2012	Safety of woodworking machines - Circular sawing machines Part 8: Single blade edging circular rip saws with power driven saw unit and manual loading and/or unloading	C	x
EN 1870-9:2012	Safety of woodworking machines - Circular sawing machines Part 9: Double blade circular sawing machines for cross-cutting with inte- grated feed and with manual loading and/or unloading	C	x
EN 1870-10:2013	Safety of woodworking machines - Circular sawing machines Part 10: Single blade automatic and semi-automatic up-cutting cross-cut sawing machines	C	x
EN 1870-11:2013	Safety of woodworking machines - Circular sawing machines Part 11: Semi-automatic and auto- matic horizontal cross-cut sawing machines with one saw unit (radial arm saws)	C	x
EN 1870-12:2013	Safety of woodworking machines - Circular sawing machines Part 12: Pendulum cross-cut sawing machines	C	x
EN 1870-15:2012	Safety of woodworking machines - Circular sawing machines Part 15: Multiblade cross-cut sawing machines with integrated feed of the workpiece and manual loading and/or unloading	C	x
EN 1870-16:2012	Safety of woodworking machines - Circular sawing machines Part 16: Double mitre sawing machines for V-cutting	C	x
EN 1870-17:2012 +A1:2015	Safety of woodworking machines - Circular sawing machines Part 17: Manual horizontal cutting cross-cut sawing machines with one saw unit (radial arm saws)	C	x
EN 1974:2020	Food processing machinery - Slicing machines - Safety and hygiene requirements	C	x

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EN ISO 3449:2008	Earth-moving machinery - Falling-object protective structures - Laboratory tests and performance requirements	C	x
EN ISO 3691-1:2015	Industrial trucks - Safety requirements and verification Part 1: Self-propelled industrial trucks, other than driverless trucks, variable-reach trucks and burden-carrier trucks	C	x
EN ISO 3691-4:2020	Industrial trucks - Safety requirements and verification Part 4: Driverless industrial trucks and their systems	C	-
EN ISO 3691-5:2014	Industrial trucks - Safety requirements and verification Part 5: Pedestrian-propelled trucks	C	x
EN ISO 3691-6:2015	Industrial trucks - Safety requirements and verification Part 6: Burden and personnel carriers	C	x
EN ISO 3691-6:2021	Industrial trucks - Safety requirements and verification Part 6: Burden and personnel carriers	C	-
EN ISO 3740:2019	Acoustics - Determination of sound power levels of noise sources - Guidelines for the use of basic standards	B	-
EN ISO 4254-1:2015	Agricultural machinery - Safety Part 1: General requirements	C	x
EN ISO 4413:2010	Hydraulic fluid power - General rules and safety requirements for systems and their components	B	x
EN ISO 4414:2010	Pneumatic fluid power - General rules and safety requirements for systems and their components	B	x
EN ISO 4871:2009	Acoustics - Declaration and verification of noise emission values of machinery and equipment	B	x
EN ISO 5395-1:2013 /A1:2018	Garden equipment - Safety requirements for combustion-engine-powered lawnmowers Part 1: Terminology and common tests	C	x

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EN ISO 5395-2:2013 /A2:2017	Garden equipment - Safety requirements for combustion-engine-powered lawnmowers Part 2: Pedestrian-controlled lawnmowers	C	x
EN ISO 5395-3:2013 /A2:2018	Garden equipment - Safety requirements for combustion-engine-powered lawnmowers Part 3: Ride-on lawnmowers with seated operator	C	x
EN ISO 5674:2009	Tractors and machinery for agriculture and forestry - Guards for power take-off (PTO) drive shafts - Strength and wear tests and acceptance criteria	C	x
EN ISO 6103:2014	Bonded abrasive products - Permissible unbalances of grinding wheels as delivered - Testing	-	-
EN ISO 7250:2017	Basic human body measurements for technological design	B	-
EN ISO 10218-1: 2011	Robots for industrial environments - Safety requirements Part 1: Robot	C	x
EN ISO 10218-2: 2011	Robots and robotic devices - Safety requirements for industrial robots Part 2: Robot systems and integration	C	x
EN ISO 10517:2019	Powered hand-held hedge trimmers - Safety	C	x
EN ISO 11111-1: 2016	Textile machinery - Safety requirements Part 1: Common requirements	C	x
EN ISO 11145:2016	Optics and optical instruments - Lasers and laser related equipment - Vocabulary and symbols	B	x
EN ISO 11148-1: 2011	Hand-held nonelectric power tools - Safety requirements Part 1: Assembly power tools for non-threaded mechanical fasteners	C	x
EN ISO 11148-2: 2011	Hand-held nonelectric power tools - Safety requirements Part 2: Cutting-off and crimping power tools	C	x

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EN ISO 11148-3: 2012	Hand-held nonelectric power tools - Safety requirements Part 3: Drills and tappers	C	x
EN ISO 11148-4: 2012	Hand-held nonelectric power tools - Safety requirements Part 4: Nonrotary percussive power tools	C	x
EN ISO 11148-5: 2011	Hand-held nonelectric power tools - Safety requirements Part 5: Rotary percussive drills	C	x
EN ISO 11148-6: 2012	Hand-held nonelectric power tools - Safety requirements Part 6: Assembly power tools for threaded fasteners	C	x
EN ISO 11148-7: 2012	Hand-held nonelectric power tools - Safety requirements Part 7: Grinders	C	x
EN ISO 11148-8: 2011	Hand-held nonelectric power tools - Safety requirements Part 8: Sanders and polishers	C	x
EN ISO 11148-9: 2011	Hand-held nonelectric power tools - Safety requirements Part 9: Die grinders	C	x
EN ISO 11148-10: 2011	Hand-held nonelectric power tools - Safety requirements Part 10: Compression power tools	C	x
EN ISO 11148-11: 2011	Hand-held nonelectric power tools - Safety requirements Part 11: Nibblers and shears	C	x
EN ISO 11148-12: 2012	Hand-held non-electric power tools - Safety requirements Part 12: Circular, oscillating and reciprocating saws	C	x
EN ISO 11148-13: 2018	Hand-held non-electric power tools - Safety requirements Part 13: Fastener driving tools	C	x
EN ISO 11161:2007/ A1:2010	Safety of machinery - Integrated manufacturing systems - Basic requirements	B	x
EN ISO 11553-1: 2008	Safety of machinery - Laser processing machines Part 1: General safety requirements	C	-

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EN ISO 11553-2: 2008	Safety of machinery - Laser processing machines Part 2: Safety requirements for hand-held laser processing devices	C	x
EN ISO 11553-3: 2013	Safety of machinery - Laser processing machines Part 3: Noise reduction and noise measurement methods for laser processing machines and hand-held processing devices and associated auxiliary equipment (accuracy grad 2)	C	x
EN ISO 11554:2017	Optics and optical instruments - Lasers and laser-related equipment - Test methods for laser beam power, energy and temporal characteristics	C	x
EN ISO 11681-1: 2011	Machinery for forestry - Portable chain-saw safety requirements and testing Part 1: Chain-saws for forest service	C	x
EN ISO 11681-1: 2022	Machinery for forestry - Portable chain-saw safety requirements and testing Part 1: Chain-saws for forest service	C	-
EN ISO 11681-2: 2011/A1:2017	Machinery for forestry - Portable chain-saw safety requirements and testing Part 2: Chain-saws for tree service	C	x
EN ISO 11681-2: 2022	Machinery for forestry - Portable chain-saw safety requirements and testing Part 2: Chain-saws for tree service	C	-
EN ISO 11688-1: 2009	Acoustics - Recommended practice for the design of low-noise machinery and equipment Part 1: Planning	B	x
EN ISO 11689:1996 +Cor1:2007	Acoustics - Procedure for the comparison of noise-emission data for machinery and equipment	B	-
EN ISO 11806-1: 2011	Agricultural and forestry machinery - Safety requirements and testing for portable, hand-held, powered brush-cutters and grass-trimmers Part 1: Machines fitted with an integral combustion engine	C	x

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EN ISO 11806-1: 2022	Agricultural and forestry machinery - Safety requirements and testing for portable, hand-held, powered brush- cutters and grass-trimmers Part 1: Machines fitted with an integral combustion engine	C	-
EN ISO 11806-2: 2011	Agricultural and forestry machinery - Safety requirements and testing for portable, hand-held, powered brush- cutters and grass-trimmers Part 2: Machines for use with back- pack power unit	C	x
EN ISO 11806-2: 2022	Agricultural and forestry machinery - Safety requirements and testing for portable, hand-held, powered brush- cutters and grass-trimmers Part 2: Machines for use with back- pack power unit	C	-
EN 12012-1:2018	Plastics and rubber machines - Size reduction machines Part 1: Safety requirements for blade granulators and shredders	C	x
EN 12012-2:2001 +A2:2008	Plastics and rubber machines - Size reduction machines Part 2: Safety requirements for strand pelletisers	C	-
EN 12012-3:2001 +A1:2008	Plastics and rubber machines - Size reduction machines Part 3: Safety requirements for shredders	C	-
EN 12012-4:2019 +A1:2021	Plastics and rubber machines - Size reduction machines Part 4: Safety requirements for agglomerators	C	x
EN 12013:2018	Plastics and rubber machines - Internal mixers - Safety requirements	C	x
EN 12053:2008	Safety of industrial trucks - Test methods for measuring noise emis- sions	C	x
EN 12077-2:1998 +A1:2008	Cranes safety - Requirements for health and safety Part 2: Limiting and indicating devices	C	x
EN ISO 12100:2010	Safety of machinery - General princi- ples for design - Risk assessment and risk reduction	A	x

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EN 12158-1:2000 +A1:2010	Builders hoists for goods Part 1: Hoists with accessible platforms	C	x
EN 12158-1:2021	Builders hoists for goods Part 1: Hoists with accessible platforms	C	-
EN 12158-2:2000 +A1:2010	Builders hoists for goods Part 2: Inclined hoists with non- accessible load carrying devices	C	x
EN 12159:2012	Builders hoists for persons and materials with vertically guided cages	C	x
EN 12195-1:2010 + AC:2014	Load restraint assemblies on road vehicles - Safety Part 1: Calculation of lashing forces	C	-
EN 12198-1:2000 +A1:2008	Safety of machinery - Assessment and reduction of risks arising from radiation emitted by machinery Part 1: General principles	B	x
EN 12198-2:2002 +A1:2008	Safety of machinery - Assessment and reduction of risks arising from radiation emitted by machinery Part 2: Radiation emission measurement procedure	B	x
EN 12198-3:2002 +A1:2008	Safety of machinery - Assessment and reduction of risks arising from radiation emitted by machinery Part 3: Reduction of radiation by attenuation or screening	B	x
EN 12254:2010/ AC:2011	Screens for laser working places - Safety requirements and testing	B	x
EN 12268:2014	Food processing machinery - Band saw machines - Safety and hygiene requirements	C	x
EN 12301:2019	Plastics and rubber machines - Calenders - Safety requirements	C	x
EN 12331:2003 +A2:2010	Food processing machinery - Mincing machines - Safety and hygiene requirements	C	x
EN 12331:2021	Food processing machinery - Mincing machines - Safety and hygiene requirements	C	-
EN 12385-3:2004 +A1:2008	Steel wire ropes - Safety Part 3: Information for use and main- tenance	C	x

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EN 12385-3:2020	Steel wire ropes - Safety Part 3: Information for use and main- tenance	C	-
EN 12385-6:2004	Steel wire ropes - Safety Part 6: Stranded ropes for mine shafts	-	-
EN 12409:2008 +A1:2011	Plastics and rubber machines - Thermoforming machines - Safety requirements	C	x
EN 12413:2019	Safety requirements for bonded abrasive products	-	-
EN 12417:2001 +A2:2009/AC:2010	Safety of machine tools - Machining Centres	C	x
EN 12418:2000 +A1:2009	Masonry and stone cutting-off machines for job site - Safety	C	x
EN 12418:2021	Masonry and stone cutting-off machines for job site - Safety	C	-
EN 12433-1:1999	Industrial, commercial and garage doors and gates - Terminology Part 1: Types of doors	C	-
EN 12433-2:1999	Industrial, commercial and garage doors and gates - Terminology Part 2: Parts of doors	C	-
EN 12453:2017 +A1:2021	Industrial, commercial and garage doors and gates - Safety in use of po- wer operated doors - Requirements	C	x
EN 12463:2004 +A1:2011	Nahrungsmittelmaschinen - Füllmaschinen und Vorsatz- maschinen	C	x
EN 12463:2021	Food processing machinery - Filling machines and auxiliary machines - Safety and hygiene requirements	C	
EN 12604:2017 +A+:2020	Industrial, commercial and garage doors and gates - Mechanical aspects - Requirements and test methods	C	-
EN 12622:2009 +A1:2013	Safety of machine tools - Hydraulic press brakes	C	x
EN 12635:2002 +A1:2008	Industrial, commercial and garage doors and gates - Installation and use	C	partly
EN 12717:2001 +A1:2009	Safety of machine tools - Drilling machines	C	x

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EN 12851:2005 +A1:2010	Food processing machinery - Catering attachments for machines having an auxiliary drive hub - Safety and hygiene requirements	C	-
EN 12852:2001 +A1:2010	Food processing machinery - Food processors and blenders - Safety and hygiene requirements	C	x
EN 12853:2001 +A1:2010	Food processing machinery - Hand-held blenders and whisks - Safety and hygiene requirements	C	x
EN 12854:2003 +A1:2010	Food processing machinery - Beam mixers - Safety and hygiene requirements	C	x
EN 12855:2003 +A1:2010	Food processing machinery - Rotating bowl cutters - Safety and hygiene requirements	C	x
EN 12978:2003 +A1:2009	Industrial, commercial and garage doors and gates - Safety devices for power operated doors and gates - Requirements and test methods	C	x
EN 12999:2020	Cranes - Loader cranes	C	x
EN 13000:2010 +A1:2014	Cranes - Mobile cranes	C	x
EN 13001-1:2015	Crane safety - General design Part 1: General principles and requirements	C	x
EN 13001-1:2021	Crane safety - General design Part 1: General principles and requirements	C	-
EN 13001-2:2021	Crane safety - General design Part 2: Load effects	C	x
EN 13001-3-2:2014	Cranes - General Design - Part 3.2: Limit States and Proof of Competence of Wire Ropes in Reeving Systems	C	x
EN 13019:2001 +A1:2008	Machines for road surface cleaning - Safety requirements	C	x
EN 13021:2003 +A1:2008	Winter service machines - Safety requirements	C	x
EN 13059:2002 +A1:2008	Safety of industrial trucks - Test methods for measuring vibration	C	x
EN 13128:2001 +A2:2009/AC:2010	Safety of machine tools - Milling machines (including boring machines)	C	x
EN 13135:2013 +A1:2018	Cranes - Safety - Design - Requirements for equipment	C	x

Number: year of issue	Title	type standard	* presumption of conformity (yes = x)
EN 13155:2003 +A2:2009	Cranes - Safety - Non-fixed load lifting attachments	C	x
EN 13155:2020	Cranes - Safety - Non-fixed load lifting attachments	C	-
EN 13157:2004 +A1:2009	Cranes - Safety - Hand powered cranes	C	x
EN 13208:2003 +A1:2010	Food processing machinery - Vegetable peelers - Safety and hygiene requirements	C	x
EN 13236:2019	Safety requirements for super-abrasives	-	-
EN 13241:2003 +A2:2016	Industrial, commercial, garage doors and gates - Product standard, performance characteristics	C	partly
EN 13288:2005 +A1:2009	Food processing machinery - Bowl lifting and tilting machines - Safety and hygiene requirements	C	x
EN 13378:2001 +A1:2013	Pasta processing plants - Pasta presses - Safety and hygiene requirements	C	-
EN 13379:2001 +A1:2013	Pasta processing plants - Spreader, stripping and cutting machine, stick return conveyor, stick magazine - Safety and hygiene requirements	C	-
EN 13411-3:2004 +A1:2008	Terminations for steel wire ropes - Safety Part 3: Ferrules and ferrule-securing	C	x
EN 13411-5:2003 +A1:2008	Terminations for steel wire ropes Part 5: U-bolt wire rope grips	C	x
EN 13411-6:2004 +A1:2008	Terminations for steel wire ropes - Safety Part 6: Asymmetric wedge socket	C	x
EN 13411-7:2006 +A1:2008	Terminations for steel wire rope - Safety Part 7: Symmetric wedge socket	C	x
EN 13411-7:2021	Terminations for steel wire rope - Safety Part 7: Symmetric wedge socket	C	-
EN 13414-1:2003 +A2:2008	Steel wire rope slings - Safety Part 1: Slings for general lifting service	C	x
EN 13418:2013	Plastics and rubber machines - Winding machines for film or sheet - Safety requirements	C	x

Number: year of issue	Title	type standard	* presumption of conformity (yes = x)
EN ISO 13482:2014	Robots and robotic devices - Safety requirements for personal care robots	C	x
EN 13557:2003 +A2:2008	Cranes - Controls and control stations	C	x
EN 13586:2020	Cranes - Access	C	x
EN 13659:2015	Shutters and external venetian blinds - Performance requirements including safety	C	x
EN ISO 13732-1: 2008	Ergonomics of the thermal environment - Methods for the assessment of human responses to contact with surfaces Part 1: Hot surfaces	B	x
EN ISO 13732-3	Ergonomics of the thermal environment - Methods for the assessment of human responses to contact with surfaces Part 3: Cold surfaces	B	-
EN 13743:2017	Safety requirements for coated abrasives	C	-
EN ISO 13849-1: 2015	Safety of machinery - Safety-related parts of control systems Part 1: General principles for design	B	x
EN ISO 13849-2: 2012	Safety of machinery - Safety-related parts of control systems Part 2: Validation	B	x
EN ISO 13850:2015	Safety of machinery - Emergency stop - Principles for design	B	x
EN ISO 13851:2019	Safety of machinery - Two-hand control devices - Principles for design and selection	B	x
EN 13852-1:2013	Cranes - Offshore cranes Part 1: General purpose offshore cranes	C	x
EN ISO 13854:2019	Safety of machinery - Minimum gaps to avoid crushing of parts of the human body	B	x
EN ISO 13855:2010	Safety of machinery - Positioning of safeguards with respect to the approach speeds of parts of the human body	B	x

Number: year of issue	Title	type standard	* presumption of conformity (yes = x)
EN ISO 13856-1: 2013	Safety of machinery - Pressure-sensitive protective devices Part 1: General principles for design and testing of pressure-sensitive mats and pressure-sensitive floors	B	x
EN ISO 13856-2: 2013	Safety of machinery - Pressure-sensitive protective devices Part 2: General principles for design and testing of pressure-sensitive edges and pressure-sensitive bars	B	x
EN ISO 13856-3: 2013	Safety of machinery - Pressure-sensitive protective devices Part 3: General principles for design and testing of pressure-sensitive bumpers, plates, wires and similar devices	B	x
EN ISO 13857:2019	Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs	B	x
EN 13889:2003 +A1:2008	Forged steel shackles for general lifting purposes - Dee shackles and bow shackles - Grade 6 - Safety	C	x
EN 13985:2003 +A1:2009	Machine tools - Safety - Guillotine shears	C	x
EN 14010:2003 +A1:2009	Safety of machinery - Equipment for power driven parking of motor vehicles - Safety and EMC requirements for design, manufacturing, erection and commissioning stages	C	x
EN 14070:2003 +A1:2009/AC:2010	Safety of machine tools - Transfer and special purpose machines	C	x
EN ISO 14118:2018	Safety of machinery - Prevention of unexpected start-up	B	x
EN ISO 14119:2013	Safety of machinery - Interlocking devices associated with guards - Principles for design and selection	B	x
EN ISO 14120:2015	Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards	B	x
ISO/TR 14121-2: 2013	Safety of machinery - Risk assessment Part 2: Practical guidance and examples of methods	-	-

Number: year of issue	Title	type standard	* presumption of conformity (yes = x)
EN ISO 14122-1: 2016	Safety of machinery - Permanent means of access to machinery Part 1: Choice of fixed means of access between two levels	B	x
EN ISO 14122-2: 2016	Safety of machinery - Permanent means of access to machinery Part 2: Working platforms and walk-ways	B	x
EN ISO 14122-3: 2016	Safety of machinery - Permanent means of access to machinery Part 3: Stairs, stepladders and guard-rails	B	x
EN ISO 14122-4: 2016	Safety of machinery - Permanent means of access to machinery Part 4: Fixed ladders	B	x
EN ISO 14123-1: 2015	Safety of machinery - Reduction of risks to health resulting from hazardous substances emitted by machinery Part 1: Principles and specifications for machinery manufacturers	B	x
EN ISO 14123-2: 2015	Safety of machinery - Reduction of risks to health resulting from hazardous substances emitted by machinery Part 2: Methodology leading to verification procedures	B	x
EN 14351-1: 2006+A2:2016	Windows and doors - Product standard, performance characteristics Part 1: Windows and external pedestrian door sets without resistance to fire and/or smoke leakage characteristics	C	-
EN 14492-1:2006 +A1:2009/AC:2010	Cranes - Power driven winches and hoists Part 1: Power driven winches	C	x
EN 14492-2:2006 +A1:2009/AC:2010	Cranes - Power driven winches and hoists Part 2: Power driven hoists	C	x
EN 14492-2:2020	Cranes - Power driven winches and hoists Part 2: Power driven hoists	C	-
EN ISO 14738:2008	Safety of machinery - Anthropometric requirements for the design of work-stations at machinery	B	x

Number: year of issue	Title	type standard	* presumption of conformity (yes = x)
EN 14886:2008	Plastics and rubber machines - Band-knife cutting machines for block foams - Safety requirements	C	x
EN 15061:2007 +A1:2008	Safety of machinery - Safety requirements for strip processing line machinery and equipment	C	x
EN 15067:2007	Plastics and rubber machines - Film converting machines for bags and sacks - Safety requirements	C	x
ISO/TS 15066:2016	Robots and robotic devices - Collaborative robots	-	-
EN 15095:2007 +A1:2008	Power operated mobile racking and shelving, carousels and storage lifts - Safety requirements	C	x
EN ISO 15641:2001	Milling cutters for high speed machining - Safety requirements	-	-
EN ISO 15744:2008	Hand-held non-electric power tools - Noise measurement code - Engineering method (grade 2)	B	x
EN 15895: 2011 +A1:2018	Cartridge operated hand-held tools - Safety requirements - Fixing and hard marking tools		x
EN 16005:2012	Power operated pedestrian door sets - Safety in use - Requirements and test methods	C	x
EN ISO 16089:2015	Machine tools - Safety - Stationary grinding machines	C	x
EN ISO 16090-1: :2018	Machine tools safety - Machining centres, Milling machines, Transfer machines - Part 1: Safety requirements	C	-
EN ISO 16092-1: 2018	Machine tools safety - Presses - Part 1: General safety requirements	C	x
EN ISO 16092-2: 2020	Machine tools safety - Presses - Part 2: Safety requirements for mechanical presses	C	x
EN ISO 16092-3: 2018	Machine tools safety - Presses - Part 3: Safety requirements for hydraulic presses	C	x
EN ISO 16092-4: 2020	Machine tools safety - Presses - Part 4: Safety requirements for pneumatic presses	C	x
EN ISO 16093:2013	Machine tools - Safety - Sawing machines for cold metal	C	x

Number: year of issue	Title	type standard	* presumption of conformity (yes = x)
EN 16191:2014	Tunnelling machinery - Safety requirements	C	x
EN 16228-1:2014	Drilling and foundation equipment - Safety Part 1: Common requirements	C	x
EN 16228-1:2014 +A1:2021	Drilling and foundation equipment - Safety Part 1: Common requirements	C	-
EN 16474:2015	Plastics and rubber machines - Tyre curing machines - Safety requirements	C	x
EN 16719:2018	Transport platforms	C	x
EN ISO/IEC 17065	Conformity assessment - Requirements for bodies certifying products, processes and services	-	-
EN ISO/IEC 17065:2012	Conformity assessment - Fundamentals of product certification and guidelines for product certification	-	-
EN 17076:2020	Tower cranes - Anti-collision systems - Safety requirements	C	-
ISO/TR 17529:2014	Machine tools - Practical guidance and example of risk assessment on electro discharge machines	-	-
EN ISO 19085-1:2021	Woodworking machines - Safety Part 1: Common requirements	C	x
EN ISO 19085-2:2017	Woodworking machines - Safety Part 2: Horizontal beam panel circular sawing machines	C	x
EN ISO 19085-3:2017	Woodworking machines - Safety Part 3: Numerically controlled (NC) boring and routing machines	C	x
EN ISO 19085-4:2018	Woodworking machines - Safety Part 4: Vertical panel circular sawing machines	C	x
EN ISO 19085-5:2017	Woodworking machines - Safety Part 5: Dimension saws	C	x
EN ISO 19085-6:2017	Woodworking machines - Safety Part 6: Single spindle vertical moulding machines	C	x
EN ISO 19085-7:2019	Woodworking machines - Safety Part 7: Surface planing, thickness planing, combined surface/thickness planing machines	C	x

Number: year of issue	Title	type standard	* presumption of conformity (yes = x)
EN ISO 19085-8: 2018	Woodworking machines - Safety Part 8: Belt sanding and calibrating machines for straight workpieces	C	x
EN ISO 19085-9: 2020	Woodworking machines - Safety Part 9: Circular saw benches (with and without sliding table)	C	x
EN ISO 19085-10: 2019 /A11:2020	Woodworking machines - Safety Part 10: Building site saws	C	-
EN ISO 19353:2019	Safety of machinery - Fire prevention and fire protection	B	x
EN ISO 20430:2020	Plastics and rubber machines - Injection moulding machines - Safety requirements	C	x
EN ISO 20643:2008+ A1:2012	Mechanical vibration - Hand-held and hand-guided machinery - Principles for evaluation of vibration emission	B	x
EN ISO 21281:2005	Self-propelled industrial trucks: Sit- down rider-controlled: Rules for the construction and layout of pedals	C	x
ISO/TR 22100- 1:2021	Safety of machinery - Relationship with ISO 12100 Part 1: How ISO 12100 relates to type-B and type-CE standards	-	-
ISO/TR 22100-2: 2014	Safety of machinery - Relationship with ISO 12100 Part 2: How ISO 12100 relates to ISO 13849-1	-	-
ISO/TR 22100-3: 2017	Safety of machinery - Relationship with ISO 12100 Part 3: Implementation of ergonomic principles in safety standards	-	-
ISO/TR 22100-4: 2018	Safety of machinery - Relationship with ISO 12100 Part 4: Guidance to machinery manufacturers for consideration of related IT-security (cyber security) aspects	-	-
ISO/TR 22100-5: 2021	Safety of machinery - Relationship with ISO 12100 Part 5: Implementation of embedded Artificial Intelligence-machine learning	-	-
EN ISO 23125:2015	Machine tools - Safety - Turning machines	C	x

Number: year of issue	Title	type standard	* presumption of conformity (yes = x)
ENV 25349:1986	Guidelines for the measurement and the assessment of human exposure to hand-transmitted vibration	B	-
ENV 26385:1981	Ergonomic principles of the design of work systems	B	-
EN ISO 8041:2017	Human response to vibration - Measuring instrumentation	B	x
EN ISO 28881:2013 /AC:2013	Machine tools - Safety - Electro-Discharge Machines	C	x
EN ISO 28881:2022	Machine tools - Safety - Electro-Discharge Machines	C	-
EN 29241-1:1992	Ergonomic requirements for office work with visual display terminals (VDTs) Part 1: General introduction	-	-
EN 29241-2:1992	Ergonomic requirements for office work with visual display terminals (VDTs) Part 2: Guidance on task requirements	-	-
EN 29241-3:1992	Ergonomic requirements for office work with visual display terminals (VDTs) Part 3: Visual display requirements	-	-
EN 11253:1993	Lasers and laser-related equipment - Laser device - Mechanical interfaces	-	-
EN 60204-1:2018	Safety of machinery - Electrical equipment of machines Part 1: General requirements	B	x
EN IEC 60204-11:2019	Safety machinery - Electrical equipment of machines Part 11: Requirements for HV equipment for voltages above 1000 V a.c. or 1500 V d.c. and not exceeding 36 kV	B	x
EN 60204-31:2013	Safety machinery - Electrical equipment of machines Part 31: Requirements for sewing machines, units and systems	B	-
EN 60204-32:2008	Safety of machinery - Electrical equipment of machines Part 32: Requirements for hoisting machines	B	x

Number: year of issue	Title	type standard	* presumption of conformity (yes = x)
EN 60204-33:2011	Safety of machinery - Electrical equipment of machines Part 33: Requirements for semiconductor fabrication equipment	B	x
EN 60335-1:2012 /A15:2021	Safety of household and similar electrical appliances Part 1: General requirements	-	x
EN 60529:1991 +A1:2000 +A2:2013	Degrees of protection provided by enclosures (IP Code)	-	-
EN 60825-1:2014	Safety of laser products Part 1: Equipment classification and requirements	-	-
EN 60947-5-3:2013	Low-voltage switchgear and controlgear Part 5-3: Control circuit devices and switching elements - Requirements for proximity devices with defined behaviour under fault conditions (PDDDB)	-	x
EN 60947-5-5:1997 +A1:2005 +A11:2013 +A2:2017	Low-voltage switchgear and controlgear Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function	-	x
EN 61310-1:2008	Safety of machinery - Indicating, marking and actuating principles Part 1: Visual, audible and tactile signals	B	x
EN 61310-2:2008	Safety of machinery - Indicating, marking and actuating principles Part 2: Marking principles	B	x
EN 61310-3:2008	Safety of machinery - Indication, marking and actuation Part 3: Requirements for the location and operation of actuators	B	x
EN IEC 61496-1: 2020	Safety of machinery - Electro-sensitive protective equipment Part 1: General requirements and tests	B	-
EN IEC 61496-2: 2020	Safety of machinery - Electro-sensitive protective equipment Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPDs)	-	-

Number: year of issue	Title	type standard	* presumption of conformity (yes = x)
EN IEC 61496-3: 2018	Safety of machinery - Electro-sensitive protective equipment Part 3: Particular requirements for Active Optoelectronic Protective Devices responsive to Diffuse Reflection (AOPDDR)	-	-
EN 61508-1:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems Part 1: General requirements	-	-
EN 61508-2:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems	-	-
EN 61508-3:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems Part 3: Software requirements	-	-
EN 61508-4:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems Part 4: Definitions and abbreviations	-	-
EN 61508-5:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems Part 5: Examples of methods for the determination of safety integrity levels	-	-
EN 61508-6:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems Part 6: Guidelines on the application of IEC 61508-2 and IEC 61508-3	-	-
EN 61508-7:2010	Functional safety of electrical/electronic/programmable electronic safety-related systems Part 7: Overview of techniques and measures	-	-
EN 61800-5-2:2007	Adjustable speed electrical power drive systems Part 5-2: Safety requirements - Functional	B	x

Number: year of issue	Title	type standard	* presumption of conformity (yes = x)
EN IEC 62046:2018	Safety of machinery - Application of protective equipment to detect the presence of persons	-	-
EN 62061:2021	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems	B	x
EN 62745:2017 /A11:2020	Safety of machinery - Requirements for cableless control systems of machinery	B	-
EN 62841-1:2015 /AC:2015	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety Part 1: General requirements	C	x
EN 62841-2-1:2018 /A11:2019	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety Part 2-1: Particular requirements for hand-held drills and impact drills	C	x
EN 62841-2-2:2014 /AC:2015	Electric motor-operated hand-held tools, transportable tools and lawn and garden machinery - Safety Part 2-2: Particular requirements for hand-held screwdrivers and impact wrenches	C	x

Remark

Only the most recent directives and standards issued are applied.

The current, complete overview of harmonised standards is located at the following Internet address:

https://ec.europa.eu/growth/document/download/b0712b03-0d6e-43f8-87e3-774140ff69c8_en

or go to <http://www.suva.ch/certification-e> and click "Useful links".

This index is continuously updated and amended with the relevant approved EU directives and EN standards of CEN/CENELEC/ISO/IEC.

Sources

Orders for EN standards

Schweizerische Normen-Vereinigung
SNV, switec
Sulzerallee 70
CH-8404 Winterthur

Tel.: +41 (0) 52 224 54 54
Fax: +41 (0) 52 224 54 74

Internet: <https://www.snv.ch>
<https://shop.snv.ch>

Electrosuisse
Luppmenstrasse 1
CH-8320 Fehraltorf

Tel.: +41 (0) 58 595 11 11
Fax: +41 (0) 58 595 11 22

Internet: <https://www.electrosuisse.ch>
& Shop: <https://www.electrosuisse.ch/shop>