METSTA

12.4.2022

Rakennus- ja kaivoskonestandardien tilannekatsaus

Tässä tilannekatsauksessa esitetään teknisten komiteoiden CEN/TC 151, CEN/TC 196, ISO/TC 82 (pl. SC 7), ISO/TC 195 ja ISO/TC 127 julkaisut ja työkohteet.

Keltaisella on merkitty edelliseen tilannekatsaukseen (2021-10-29) nähden päivitetyt tiedot. Merkinnät:

- FI = julkaisusta on suomenkielinen käännös.
- SFS = julkaisu on vahvistettu SFS-ISO-standardiksi
- MD = julkaisu on tarkoitus yhdenmukaistaa konedirektiivin 2006/42/EY kanssa
- EMC = julkaisu on tarkoitus yhdenmukaistaa EMC-direktiivin 2014/30/EU kanssa
- Lihavointi = julkaisuun on tällä hetkellä viittaus EU:n virallisessa lehdessä

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1. CEN/TC 151 Construction equipment and building material machines - Safety

Julkaisut:

FI	DIR	Tunnus	Otsikko
	-	CEN/TS 15730:2008	Earth-moving machinery - Guidelines for assessment of exposure to whole-body vibration of ride-on machines - Use of harmonized data measured by international institutes, organizations and manufacturers (ISO/TR 25398:2006)
	MD	EN 1009-1:2020	Machines for mechanical processing of minerals and similar solid materials - Safety - Part 1: Common requirements for machinery and processing plants
	MD	EN 1009-2:2020	Machines for mechanical processing of minerals and similar solid materials - Safety - Part 2: Specific requirements for feeding machinery and continuous handling equipment
	MD	EN 1009-3:2020	Machines for mechanical processing of minerals and similar solid materials - Safety - Part 3: Specific requirements for crushing and milling machinery
	MD	EN 1009-4:2020	Machines for mechanical processing of minerals and similar solid materials - Safety - Part 4: Specific requirements for screening machinery
	MD	EN 1009-5:2020	Machines for mechanical processing of minerals and similar solid materials - Safety - Part 5: Specific requirements for cleaning, recycling, sorting and mud treatment machinery
	MD	EN 12001:2012	Conveying, spraying and placing machines for concrete and mortar - Safety requirements
	MD	EN 12110:2014	Tunnelling machines - Air locks - Safety requirements
	MD	EN 12348:2000 +A1:2009	Core drilling machines on stand - Safety
	MD	EN 12418:2021	Masonry and stone cutting-off machines for job site - Safety
	MD	EN 12609:2021	Truck mixers - Safety requirements
	MD	EN 12629-1:2000+A1:2010	Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 1: Common requirements
	MD	EN 12629-2:2002+A1:2010	Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 2: Block making machines
	MD	EN 12629-3:2002+A1:2010	Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 3: Slide and turntable machines
	MD	EN 12629-4:2001+A1:2010	Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 4:Concrete roof tile making machines
	MD	EN 12629-5-1:2003+A1:2010	Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 5-1: Pipe making machines manufacturing in the vertical axis
	MD	EN 12629-5-2:2003+A1:2010	Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 5-2: Pipe making machines manufacturing in the horizontal axis
	MD	EN 12629-5-3:2003+A1:2010	Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 5-3: Pipe prestressing machines
	MD	EN 12629-5-4:2003+A1:2010	Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 5-4: Concrete pipe coating machines

MD	EN 12629-6:2004+A1:2010	Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 6: Stationary and mobile equipment for the manufacture of precast reinforced products
MD	EN 12629-7:2004+A1:2010	Machines for the manufacture of constructional products from concrete and calcium-silicate - Safety - Part 7: Stationary and mobile equipment for long line manufacture of prestressed products
MD	EN 12629-8:2002+A1:2010	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)
MD	EN 12649:2008 +A1:2011	Concrete compactors and smoothing machines - Safety
MD	EN 13020:2015	Road surface treatment machines - Safety requirements
MD	EN 13035-1:2008	Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 1: Storage, handling and transportation equipment inside the factory
MD	EN 13035-11:2006+A1:2010	Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 11: Drilling machines
MD	EN 13035-2:2008	Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 2: Storage, handling and transportation equipment outside the factory
MD	EN 13035-3:2003+A1:2009	Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 3: Cutting machines
MD	EN 13035-3:2003 +A1:2009/AC:2010	Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 3: Cutting machines
MD	EN 13035-4:2003+A1:2009	Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 4: Tilting tables
MD	EN 13035-5:2006+A1:2009	Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 5: Machines and installations for stacking and de-stacking
MD	EN 13035-6:2006+A1:2009	Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 6: Machines for break-out
MD	EN 13035-7:2006+A1:2009	Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 7: Cutting machines for laminated glass
MD	EN 13035-9:2006+A1:2010	Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 9: Washing installations
MD	EN 13042-1:2007+A1:2009	Machines and plants for the manufacture, treatment and processing of hollow glass - Safety requirements - Part 1: Gob feeder
MD	EN 13042-2:2004+A1:2009	Machines and plants for the manufacture, treatment and processing of hollow glass - Safety requirements - Part 2: Handling machines for feeding
MD	EN 13042-3:2007+A1:2009	Machines and plants for the manufacture, treatment and processing of hollow glass - Safety requirements - Part 3: IS machines
MD	EN 13042-5:2003+A1:2009	Machines and plants for the manufacture, treatment and processing of hollow glass - Safety requirements - Part 5: Presses
MD	EN 13102:2005 +A1:2008	Ceramic machines - Safety - Loading and unloading of fine clay tiles
MD	EN 13367:2005 +A1:2008	Ceramic machines - Safety - Transfer platforms and cars
MD	EN 13367:2005	Ceramic machines - Safety - Transfer platforms and cars

		+A1:2008/AC:2009	
	MD	EN 13531:2001 +A1:2008	Earth-moving machinery - Tip-over protection structure (TOPS) for compact excavators - Laboratory tests and performance requirements (ISO 12117:1997 modified)
	MD	EN 13862:2021	Floor cutting-off machines - Safety
	MD	EN 15027:2007 +A1:2009	Transportable wall saw and wire saw equipment for job site - Safety
	MD	EN 15059:2009 +A1:2015	Snow grooming equipment - Safety requirements
	MD	EN 15162:2008	Machines and plants for mining and tooling of natural stone - Safety requirements for gang saws
	MD	EN 15163:2017	Machines and installations for the exploitation and processing of natural stone - Safety - Requirements for diamond wire saws
	MD	EN 15164:2008	Machines and plants for mining and tooling of natural stone - Safety - Requirements for chain- and belt-slotting machines
	MD	EN 15571:2020	Machines and plants for mining and tooling of natural stone - Safety - Requirements for surface-finishing machines
	MD	EN 15572:2015	Machines and plants for mining and tooling of natural stone - Safety - Requirements for edge finishing machines
	-	EN 15573:2008	Earth-moving machinery - Design requirements for circulation on the road
	MD	EN 16191:2014	Tunnelling machinery - Safety requirements
~~FI~~	MD	EN 16228-1:2014+A1:2021	Drilling and foundation equipment - Safety - Part 1: Common requirements
	MD	EN 16228-2:2014+A1:2021	Drilling and foundation equipment - Safety - Part 2: Mobile drill rigs for civil and geotechnical engineering, quarrying and mining
	MD	EN 16228-3:2014+A1:2021	Drilling and foundation equipment - Safety - Part 3: Horizontal directional drilling equipment (HDD)
	MD	EN 16228-4:2014+A1:2021	Drilling and foundation equipment - Safety - Part 4: Foundation equipment
	MD	EN 16228-5:2014+A1:2021	Drilling and foundation equipment - Safety - Part 5: Diaphragm walling equipment
	MD	EN 16228-6:2014+A1:2021	Drilling and foundation equipment - Safety - Part 6: Jetting, grouting and injection equipment
	MD	EN 16228-7:2014+A1:2021	Drilling and foundation equipment - Safety - Part 7: Interchangeable auxiliary equipment
	MD	EN 16564:2020	Machines and plants for mining and tooling of natural stone - Safety - Requirements for bridge type sawing/milling machines, included numerical control (NC/CNC) versions
	MD	EN 17106-1:2021	Road operation machinery - Safety - Part 1: General requirements
	MD	EN 17106-2:2021	Road operation machinery - Safety - Part 2: Specific requirements for road surface cleaning machines
	MD	EN 17106-3-1:2021	Road operation machinery - Safety - Part 3-1: Winter service machines - Requirements for snow clearing machines with rotating tools and snow ploughs
	MD	EN 17106-3-2:2021	Road operation machinery - Safety - Part 3-2: Winter service machines - Specific requirements for spreading machines
	MD	EN 17106-4:2021	Road operation machinery - Safety - Part 4: Road service area maintenance machines - Requirements for grass and brush cutting machines
	MD	EN 474-1:2022	Earth-moving machinery - Safety - Part 1: General requirements

MD	EN 474-10: 2022	Earth-moving machinery - Safety - Part 10: Requirements for trenchers
MD	EN 474-11: 2022	Earth-moving machinery - Safety - Part 11: Requirements for earth and landfill compactors
MD	EN 474-12: 2022	Earth-moving machinery - Safety - Part 12: Requirements for cable excavators
MD	EN 474-13: 2022	Earth-moving machinery - Safety - Part 13: Requirements for rollers
MD	EN 474-2: 2022	Earth-moving machinery - Safety - Part 2: Requirements for tractor-dozers
MD	EN 474-3: 2022	Earth-moving machinery - Safety - Part 3: Requirements for loaders
MD	EN 474-4: 2022	Earth-moving machinery - Safety - Part 4: Requirements for backhoe loaders
MD	EN 474-5: 2022	Earth-moving machinery - Safety - Part 5: Requirements for hydraulic excavators
MD	EN 474-6: 2022	Earth-moving machinery - Safety - Part 6: Requirements for dumpers
MD	EN 474-7: 2022	Earth-moving machinery - Safety - Part 7: Requirements for scrapers
MD	EN 474-8: 2022	Earth-moving machinery - Safety - Part 8: Requirements for graders
MD	EN 474-9: 2022	Earth-moving machinery - Safety - Part 9: Requirements for pipelayers
MD	EN 500-1:2006+A1:2009	Mobile road construction machinery - Safety - Part 1: Common requirements
MD	EN 500-2:2006+A1:2008	Mobile road construction machinery - Safety - Part 2: Specific requirements for road-milling machines
MD	EN 500-3:2006+A1:2008	Mobile road construction machinery - Safety - Part 3: Specific requirements for soil-stabilising machines and recycling machines
MD	EN 500-4:2011	Mobile road construction machinery - Safety - Part 4: Specific requirements for compaction machines
MD	EN 500-6:2006+A1:2008	Mobile road construction machinery - Safety - Part 6: Specific requirements for paver-finishers
MD	EN 536:2015	Road construction machines - Mixing plants for road construction materials - Safety requirements
EMC	EN ISO 13766-1:2018	Earth-moving and building construction machinery - Electromagnetic compatibility (EMC) of machines with internal electrical power supply - Part 1: General EMC requirements under typical electromagnetic environmental conditions (ISO 13766-1:2018)
MD	EN ISO 13766-2:2018	Earth-moving and building construction machinery - Electromagnetic compatibility (EMC) of machines with internal electrical power supply - Part 2: Additional EMC requirements for functional safety (ISO 13766-2:2018)
-	EN ISO 16001:2017	Earth-moving machinery - Object detection systems and visibility aids - Performance requirements and tests (ISO 16001:2017)
MD	EN ISO 19014-1:2018	Earth-moving machinery - Functional safety - Part 1: Methodology to determine safety-related parts of the control system and performance requirements (ISO 19014-1:2018, Corrected version 2019-02)
MD	EN ISO 19014-3:2018	Earth-moving machinery - Functional safety - Part 3: Environmental performance and test requirements of electronic and electrical components used in safety-related parts of the control system (ISO 19014-3:2018)
-	EN ISO 19014-4:2020	Earth-moving machinery - Functional safety - Part 4: Design and evaluation of software and data transmission for safety-related parts of the control system (ISO 19014-4:2020)
MD	EN ISO 19432-1:2020	Building construction machinery and equipment - Portable, hand-held, internal combustion engine-driven abrasive cutting machines - Part 1:

			Safety requirements for cut-off machines for centre-mounted rotating abrasive wheels (ISO 19432-1:2020)
FI	**MD**	EN ISO 2860:2008	Earth-moving machinery - Minimum access dimensions (ISO 2860:1992)
	MD	EN ISO 2867:2011	Earth-moving machinery - Access systems (ISO 2867:2011)
	MD	EN ISO 3164:2013	Earth-moving machinery - Laboratory evaluations of protective structures - Specifications for deflection-limiting volume (ISO 3164:2013)
FI	**MD**	EN ISO 3411:2007	Earth-moving machinery - Physical dimensions of operators and minimum operator space envelope (ISO 3411:2007)
	MD	EN ISO 3449:2008	Earth-moving machinery - Falling-object protective structures - Laboratory tests and performance requirements (ISO 3449:2005)
	MD	EN ISO 3450:2011	Earth-moving machinery - Wheeled or high-speed rubber-tracked machines - Performance requirements and test procedures for brake systems (ISO 3450:2011)
FI	**MD**	EN ISO 3457:2008	Earth-moving machinery - Guards - Definitions and requirements (ISO 3457:2003)
	MD	EN ISO 3471:2008	Earth-moving machinery - Roll-over protective structures - Laboratory tests and performance requirements (ISO 3471:2008)
	MD	EN ISO 5010:2019	Earth-moving machinery - Wheeled machines - Steering requirements (ISO 5010:2019)
	MD	EN ISO 5353:1998	Earth-moving machinery, and tractors and machinery for agriculture and forestry - Seat index point (ISO 5353:1995)
	-	EN ISO 6165:2012	Earth-moving machinery - Basic types - Identification and terms and definitions (ISO 6165:2012)
FI	**MD**	EN ISO 6682:2008	Earth-moving machinery - Zones of comfort and reach for controls (ISO 6682:1986, including Amd 1:1989)
FI	**MD**	EN ISO 6683:2008	Earth-moving machinery - Seat belts and seat belt anchorages - Performance requirements and tests (ISO 6683:2005)
	MD	EN ISO 7096:2020	Earth-moving machinery - Laboratory evaluation of operator seat vibration (ISO 7096:2020)

Tekeillä:

DIR	Tunnus	Otsikko	Vaihe	Vaiheen pvm
MD	EN 15163-1:2022	Machines and installations for the exploitation and processing of natural stone - Safety - Part 1: Requirements for stationary diamond wire saws	Ratifioitu (DOR)	27.3.2022
MD	EN 15163-2:2022	Machines and installations for the exploitation and processing of natural stone - Safety - Part 2: Requirements for transportable diamond wire saws	Ratifioitu (DOR)	27.3.2022
MD	FprEN 13035-2	Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 2: Storage, handling and transportation equipment outside the factory	Loppuäänestys alkaa	31.3.2022
MD	FprEN ISO 19014-2	Earth-moving machinery - Functional safety - Part 2: Design and evaluation	Loppuäänestys alkaa	24.2.2022

		of hardware and architecture requirements for safety-related parts of the control system (ISO/FDIS 19014-2:2019)		
MD	EN ISO 3164:2013/prA1	Earth-moving machinery - Laboratory evaluations of protective structures - Specifications for deflection-limiting volume - Amendment 1 (ISO 3164:2013/DAM 1:2020)	Äänestysluonnos lähetetty CENiin	11.6.2021
MD	FprEN 13035-1	Machines and plants for the manufacture, treatment and processing of flat glass - Safety requirements - Part 1: Storage, handling and transportation equipment inside the factory	Äänestysluonnos lähetetty CENiin	12.5.2021
MD	prEN 1009-6	Machines for mechanical processing of minerals and similar solid materials - Safety - Part 6: Specific requirements for mobile machinery	Lausuntokierros päättyy	26.8.2021
MD	prEN ISO 20500-1	Mobile road construction machinery - Safety - Part 1: Common requirements (ISO/DIS 20500-1:2020)	Lausuntokierros päättyy	2.10.2020
MD	prEN ISO 20500-2	Mobile road construction machinery - Safety - Part 2: Specific requirements for road-milling machines (ISO/DIS 20500-2:2020)	Lausuntokierros päättyy	2.10.2020
MD	prEN ISO 20500-3	Mobile road construction machinery - Safety - Part 3: Specific requirements for soil-stabilising machines and recycling machines (ISO/DIS 20500-3:2020)	Lausuntokierros päättyy	2.10.2020
MD	prEN ISO 20500-4	Mobile road construction machinery - Safety - Part 4: Specific requirements for compaction machines (ISO/DIS 20500-4:2020)	Lausuntokierros päättyy	2.10.2020
MD	prEN ISO 20500-5	Mobile road construction machinery - Safety - Part 5: Mobile Specific requirements for paver-finishers (ISO/DIS 20500-5:2020)	Lausuntokierros päättyy	2.10.2020
MD	prEN ISO 20500-6	Mobile road construction machinery - Safety - Part 6: Specific requirements for mobile feeders (ISO/DIS 20500-6:2020)	Lausuntokierros päättyy	2.10.2020
MD	prEN ISO 20500-7	Mobile road construction machinery - Safety - Part 7: Specific requirements for slipform paver and texture curing machines (ISO/DIS 20500-7:2020)	Lausuntokierros päättyy	2.10.2020
-	prEN ISO 6165	Earth-moving machinery - Basic types - Identification and terms and definitions (ISO/DIS 6165:2021)	Lausuntokierros päättyy	9.8.2021

MD	prEN ISO 6683	Earth-moving machinery - Seat belts and seat belt anchorages - Performance requirements and tests (ISO/DIS 6683:2021)	Lausuntokierros alkaa	30.12.2021
MD	EN 1009-1:2020/prA1	Machines for mechanical processing of minerals and similar solid materials - Safety - Part 1: Common requirements for machinery and processing plants	1. luonnos lähetetty	23.4.2021
MD	EN 1009-2:2020/prA1	Machines for mechanical processing of minerals and similar solid materials - Safety - Part 2: Specific requirements for feeding machinery and continuous handling equipment	1. luonnos lähetetty	23.4.2021
MD	EN 1009-3:2020/prA1	Machines for mechanical processing of minerals and similar solid materials - Safety - Part 3: Specific requirements for crushing and milling machinery	1. luonnos lähetetty	10.12.2021
MD	EN 1009-4:2020/prA1	Machines for mechanical processing of minerals and similar solid materials - Safety - Part 4: Specific requirements for screening machinery	1. luonnos lähetetty	10.12.2021
MD	EN 1009-5:2020/prA1	Machines for mechanical processing of minerals and similar solid materials - Safety - Part 5: Specific requirements for cleaning, recycling, sorting and mud treatment machinery	1. luonnos lähetetty	10.12.2021
MD	prEN XXX	Earth-moving machinery - Safety - Demolition machinery	1. luonnos lähetetty	25.2.2022
MD	prEN 12110-1	Tunnel boring machines -” Air locks -” Part 1 - requirements for air locks utilising compressed air as the pressurising or breathing medium along with requirements for oxygen breathing systems for decompression purposes	Työkohde hyväksytty	10.11.2021
MD	prEN 12110-2	Tunnel boring machines -” Air locks -” Part 2: Safety requirements for the use of non-air breathing mixtures and saturation techniques in personnel locks and for pressurised transfer shuttles	Työkohde hyväksytty	10.11.2021
MD	EN 474-3:2022/prAC	Earth-moving machinery - Safety - Part 3: Requirements for loaders	Työkohde hyväksytty	8.4.2022
MD	EN 474-5:2022/prAC	Earth-moving machinery - Safety - Part 5: Requirements for hydraulic excavators	Työkohde hyväksytty	8.4.2022
MD	prEN 16191 rev	Tunnel boring machines -” Safety requirements	Työkohde hyväksytty	10.11.2021
MD		Earth-moving machinery -“ Safety -“ Contamination protective systems	Työkohde hyväksytty	10.11.2021

MD	prEN 12001 rev	Conveying, spraying and placing machines for concrete and mortar - Safety requirements	Alustava työkohde	20.1.2022
MD	prEN 13042-3 rev	Machines and plants for the manufacture, treatment and processing of hollow glass - Safety requirements - Part 3: IS machines	Alustava työkohde	26.2.2020
MD		Tunnelling machines - Multi-service vehicles (MSV) - Safety requirements	Alustava työkohde	14.6.2021

2. CEN/TC 196 Mining machinery and equipment - Safety

Julkaisut:

FI	DIR	Tunnus	Otsikko
	MD	EN 12111:2014	Tunnelling machines - Road headers and continuous miners - Safety requirements
	MD	EN 12321:2003 +A1:2009	Underground mining machinery - Specification for the safety requirements of armoured face conveyors
	MD	EN 14658:2005+A1:2010	Continuous handling equipment and systems - General safety requirements for continuous handling equipment for opencast lignite mining
	MD	EN 1804-1:2020	Machines for underground mines - Safety requirements for hydraulic powered roof supports - Part 1: Support units and general requirements
	MD	EN 1804-2:2020	Machines for underground mines - Safety requirements for hydraulic powered roof supports - Part 2: Power set legs and rams
	MD	EN 1804-3:2020	Machines for underground mines - Safety requirements for hydraulic powered roof supports - Part 3: Hydraulic and electro hydraulic control systems
	MD	EN 1889-2:2003+A1:2009	Machines for underground mines - Mobile machines working underground - Safety - Part 2: Rail locomotives
	MD	EN ISO 19225:2017	Underground mining machines - Mobile extracting machines at the face - Safety requirements for shearer loaders and plough systems (ISO 19225:2017)
	MD	EN ISO 19225:2017/A1:2019	Underground mining machines - Mobile extracting machines at the face - Safety requirements for shearer loaders and plough systems - Amendment 1 (ISO 19225:2017/Amd 1:2019)
	MD	EN ISO 19296:2018	Mining - Mobile machines working underground - Machine safety (ISO 19296:2018)
	-	EN ISO 23875:2022	Mining - Air quality control systems for operator enclosures - Performance requirements and test methods (ISO 23875:2021)

Tekeillä:

DIR	Tunnus	Otsikko	Vaihe	Vaiheen pvm
MD	prEN 1889-2 rev	Machines for underground mines - Mobile machines working underground - Safety - Part 2: Rail locomotive	Alustava työkohde	24.11.2021

MD	Rock drill rigs and rock reinforcement rigs -” Safety requirements	Alustava työkohde	25.4.2019

3. ISO/TC 82 Mining

Julkaisut:

FI	Tunnus	Otsikko
	ISO 10097-1:1999	Wireline diamond core drilling equipment — System A — Part 1: Metric units
	ISO 10097-2:1999	Wireline diamond core drilling equipment — System A — Part 2: Inch units
	ISO 10098:1992	Wireline diamond core drilling equipment — System CSSK
	ISO 10207:1991	Rock drilling equipment — Rope threaded drill steel equipment for percussive drilling, nominal sizes 22 mm to 38 mm
	ISO 10207:1991 /Cor 1:1991	Rock drilling equipment — Rope threaded drill steel equipment for percussive drilling, nominal sizes 22 mm to 38 mm — Technical Corrigendum 1
	ISO 10208:1991	Rock drilling equipment — Left-hand rope threads
	ISO 1082:1990	Mining — Shackle type connector units for chain conveyors
	ISO 1717:1974	Rock drilling — Rotary drill-rods and rotary drill-bits for dry drilling — Connecting dimensions
	ISO 1718:1991	Rock drilling equipment — Drill rods with tapered connection for percussive drilling
	ISO 1721:1974	Rock drilling — Extension drill-steel equipment for percussive long-hole drilling — Reverse-buttress-threaded equipments 1 1/16 and 1 1/4 in (27 and 32 mm)
	ISO 1722:1974	Rock drilling — Extension drill-steel equipment for percussive long-hole drilling — Reverse-buttress-threaded equipments 1 1/2 to 2 1/2 in (38 to 64 mm)
	SFS-ISO 18758-1:2018:en	Mining and earth-moving machinery — Rock drill rigs and rock reinforcement rigs — Part 1: Vocabulary
	SFS-ISO 18758-2:2018:en	Mining and earth-moving machinery — Rock drill rigs and rock reinforcement rigs — Part 2: Safety requirements
	ISO 19224:2017	Continuous surface miners (CSM) — Safety requirements
	ISO 19225:2017	Underground mining machines — Mobile extracting machines at the face — Safety requirements for shearer loaders and plough systems
	ISO 19225:2017 /Amd 1:2019	Underground mining machines — Mobile extracting machines at the face — Safety requirements for shearer loaders and plough systems — Amendment 1
	ISO 19296:2018	Mining — Mobile machines working underground — Machine safety
	ISO 19426-1:2018	Structures for mine shafts — Part 1: Vocabulary
	ISO 19426-2:2018	Structures for mine shafts — Part 2: Headframe structures
	ISO 19426-3:2018	Structures for mine shafts — Part 3: Sinking stages
	ISO 19426-4:2018	Structures for mine shafts — Part 4: Conveyances
	ISO 19426-5:2018	Structures for mine shafts — Part 5: Shaft system structures
	ISO 19426-7:2021	Structures for mine shafts — Part 7: Rope guides
	ISO 19434:2017	Mining — Classification of mine accidents
	ISO 19434:2017 /Amd 1:2019	Mining — Classification of mine accidents — Amendment 1
	ISO 22932-1:2020	Mining — Vocabulary — Part 1: Planning and surveying
	ISO 22932-2:2020	Mining — Vocabulary — Part 2: Geology
	ISO 23872:2021	Mining structures — Underground structures
	SFS-ISO 23875:2021:en	Mining — Air quality control systems for operator enclosures — Performance requirements and test methods
	ISO 3154:1988	Stranded wire ropes for mine hoisting — Technical delivery requirements

ISO 3155:1976	Stranded wire ropes for mine hoisting — Fibre components — Characteristics and tests
ISO 3156:1976	Stranded wire ropes for mine hoisting — Impregnating compounds, lubricants and service dressings — Characteristics and tests
ISO 3551-1:1992	Rotary core diamond drilling equipment — System A — Part 1: Metric units
ISO 3551-2:1992	Rotary core diamond drilling equipment — System A — Part 2: Inch units
ISO 3552-1:1992	Rotary core diamond drilling equipment — System B — Part 1: Metric units
ISO 3552-2:1992	Rotary core diamond drilling equipment — System B — Part 2: Inch units
ISO 5612:1990	Mining — Scraper bars for chain conveyors
ISO 5613:1984	Mining — Drive sprocket assemblies for chain conveyors
ISO 5614:1988	Locked coil wire ropes for mine hoisting — Technical delivery requirements
ISO 610:1990	High-tensile steel chains (round link) for chain conveyors and coal ploughs
ISO 710-1:1974	Graphical symbols for use on detailed maps, plans and geological cross-sections — Part 1: General rules of representation
ISO 710-2:1974	Graphical symbols for use on detailed maps, plans and geological cross-sections — Part 2: Representation of sedimentary rocks
ISO 710-3:1974	Graphical symbols for use on detailed maps, plans and geological cross-sections — Part 3: Representation of magmatic rocks
ISO 710-4:1982	Graphical symbols for use on detailed maps, plans and geological cross-sections — Part 4: Representation of metamorphic rocks
ISO 710-5:1989	Graphical symbols for use on detailed maps, plans and geological cross-sections — Part 5: Representation of minerals
ISO 710-6:1984	Graphical symbols for use on detailed maps, plans and geological cross-sections — Part 6: Representation of contact rocks and rocks which have undergone metasomatic, pneumatolytic or hydrothermal transformation or transformation by weathering
ISO 710-7:1984	Graphical symbols for use on detailed maps, plans and geological cross-sections — Part 7: Tectonic symbols
ISO 721:1991	Rock drilling equipment — Integral stems
ISO 722:1991	Rock drilling equipment — Hollow drill steels in bar form, hexagonal and round
ISO 723:1991	Rock drilling equipment — Forged collared shanks and corresponding chuck bushings for hollow hexagonal drill steels
ISO 8866:1991	Rotary core diamond drilling equipment — System C
ISO 8866:1991 /Cor 1:1991	Rotary core diamond drilling equipment — System C — Technical Corrigendum 1
ISO 8866:1991 /Cor 2:1992	Rotary core diamond drilling equipment — System C — Technical Corrigendum 2
ISO/TR 8865:1990	Mining — Guidance on methods of verifying dimensions of sprocket assemblies for chain conveyors

Tekeillä:

Tunnus	Otsikko	Vaihe	Vaiheen pvm
ISO/DIS 22932-3	Mining – Vocabulary — Part 3: Rock mechanics	Lausuntovaihe päättyy	13.3.2022
ISO/DIS 22932-4	Mining — Vocabulary — Part 4: Prospecting and exploration	Lausuntovaihe päättyy	13.3.2022
ISO/DIS 22932-5	Mining — Vocabulary — Part 5: Drilling and blasting	Lausuntovaihe päättyy	13.3.2022

ISO 23875:2021 /DAmd 1	Mining — Air quality control systems for operator enclosures — Performance requirements and test methods — Amendment 1	Lausuntovaihe alkaa	17.2.2022
ISO/AWI 12848	Mine hoists and mine winders — Safety requirements	Työkohde rekisteröity	21.2.2022
ISO/AWI 22932-6	Mining — Vocabulary — Part 6: Mine hosting equipment	Työkohde rekisteröity	21.2.2022
ISO/AWI 22932-7	Mining — Vocabulary — Part 7: Ventilation	Työkohde rekisteröity	12.4.2022
ISO/PWI 19426-6	Structures for mine shafts — Part 6: Design of shaft lining	Alustava työkohde rekisteröity	18.5.2021

4. ISO/TC 82/SC 8 Advanced automated mining systems

Julkaisut:

FI	Tunnus	Otsikko

Tekeillä:

Tunnus	Otsikko	Vaihe	Vaiheen pvm
ISO/AWI 23725	FMS interface to autonomous haulage	Työkohde rekisteröity	1.12.2020
ISO/PWI 23724	Emergency remote stop of mining equipment	Alustava työkohde rekisteröity	11.10.2021
ISO/PWI 3502	Reference framework and architecture for advanced automation and autonomy	Alustava työkohde rekisteröity	2.10.2019
ISO/PWI 3510	Specification of interoperability of teleoperated, autonomous, and manned mining equipment	Alustava työkohde rekisteröity	2.10.2019

5. ISO/TC 195 Building construction machinery and equipment

Julkaisut:

FI	Tunnus	Otsikko
	ISO 11375:1998	Building construction machinery and equipment — Terms and definitions
	ISO 15642:2003	Road construction and maintenance equipment — Asphalt mixing plants — Terminology and commercial specifications
	ISO 15643:2020	Road construction and maintenance equipment — Bituminous binder sprayers and synchronous bituminous binder sprayers-chip spreaders — Terminology and commercial specifications
	ISO 15644:2002	Road construction and maintenance equipment — Chippings spreaders — Terminology and commercial specifications
	ISO 15645:2018	Road construction and maintenance equipment — Road milling machinery — Terminology and commercial specifications
	ISO 15688:2012	Road construction and maintenance equipment — Soil stabilizers — Terminology and commercial specifications
	ISO 15689:2003	Road construction and maintenance equipment — Powder binder spreaders — Terminology and commercial specifications

ISO 15878:2021	Road construction and maintenance equipment — Paver-finishers — Commercial specifications
ISO 16039:2004	Road construction and maintenance equipment — Slipform pavers — Definitions and commercial specifications
ISO 16039:2004 /Amd 1:2013	Road construction and maintenance equipment — Slipform pavers — Definitions and commercial specifications — Amendment 1
ISO 19432-1:2020	Building construction machinery and equipment — Portable, hand-held, internal combustion engine-driven abrasive cutting machines — Part 1: Safety requirements for cut-off machines for centre-mounted rotating abrasive wheels
ISO 19433:2008	Building construction machinery and equipment — Pedestrian-controlled vibratory plates — Terminology and commercial specifications
ISO 19452:2008	Building construction machinery and equipment — Pedestrian-controlled vibratory (percussion) rammers — Terminology and commercial specifications
ISO 19452:2008 /Cor 1:2008	Building construction machinery and equipment — Pedestrian-controlled vibratory (percussion) rammers — Terminology and commercial specifications — Technical Corrigendum 1
ISO 21537-1:2004	Clamping flanges for superabrasive cutting-off wheels — Part 1: Natural stone
ISO 21537-2:2004	Clamping flanges for superabrasive cutting-off wheels — Part 2: Building and construction
ISO 21873-1:2015	Building construction machinery and equipment — Mobile crushers — Part 1: Terminology and commercial specifications
ISO 21873-2:2019	Building construction machinery and equipment — Mobile crushers — Part 2: Safety requirements and verification
ISO 22242:2005	Road construction and road maintenance machinery and equipment — Basic types — Identification and description
ISO 22242:2005 /Amd 1:2013	Road construction and road maintenance machinery and equipment — Basic types — Identification and description — Amendment 1
ISO/TR 12603:2010	Building construction machinery and equipment — Classification

Tekeillä:

Tunnus	Otsikko	Vaihe	Vaiheen pvm
ISO/DIS 20500-1	Mobile road construction machinery — Safety — Part 1: Common requirements	Hyväksytty loppuäänestykseen	10.2.2021
ISO/DIS 20500-2	Mobile road construction machinery — Safety — Part 2: Specific requirements for road-milling machines	Hyväksytty loppuäänestykseen	10.2.2021
ISO/DIS 20500-3	Mobile road construction machinery — Safety — Part 3: Specific requirements for soil-stabilising machines and recycling machines	Hyväksytty loppuäänestykseen	10.2.2021
ISO/DIS 20500-4	Mobile road construction machinery — Safety — Part 4: Specific requirements for compaction machines	Hyväksytty loppuäänestykseen	10.2.2021
ISO/DIS 20500-5	Mobile road construction machinery — Safety — Part 5: Mobile Specific requirements for paver-finishers	Hyväksytty loppuäänestykseen	10.2.2021
ISO/DIS 20500-6	Mobile road construction machinery — Safety — Part 6: Specific requirements for mobile feeders	Hyväksytty loppuäänestykseen	10.2.2021

ISO/DIS 20500-7	Mobile road construction machinery — Safety — Part 7: Specific requirements for slipform pavers and related machines	Hyväksytty loppuäänestykseen	10.2.2021
ISO/NP 19432-2	Building construction machinery and equipment — Portable, hand-held, internal combustion engine driven abrasive cutting machines — Part 2: Machines for abrasive chains – Safety requirements	Työkohdeäänestys alkaa	24.3.2022
ISO/PWI 11375	Building construction machinery and equipment — Terms and definitions	Alustava työkohde rekisteröity	26.11.2019
ISO/PWI 15689	Road construction and maintenance equipment — Powder binder spreaders — Terminology and commercial specifications	Alustava työkohde rekisteröity	11.11.2021
ISO/PWI 16039	Road construction and maintenance equipment — Slipform pavers — Definitions and commercial specifications	Alustava työkohde rekisteröity	11.11.2021

6. ISO/TC 195/SC 1 Machinery and equipment for concrete work

Julkaisut:

FI	Tunnus	Otsikko
	ISO 13105-1:2014	Building construction machinery and equipment — Machinery for concrete surface floating and finishing — Part 1: Terms and commercial specifications
	ISO 13105-2:2014	Building construction machinery and equipment — Machinery for concrete surface floating and finishing — Part 2: Safety requirements and verification
	ISO 13105-2:2014 /Amd 1:2017	Building construction machinery and equipment — Machinery for concrete surface floating and finishing — Part 2: Safety requirements and verification — Amendment 1
	ISO 17740-1:2015	Building construction machinery and equipment — Concrete placing systems for stationary equipment — Part 1: Terminology and commercial specifications
	ISO 18650-1:2021	Building construction machinery and equipment — Concrete mixers — Part 1: Commercial specifications
	ISO 18650-2:2014	Building construction machinery and equipment — Concrete mixers — Part 2: Procedure for examination of mixing efficiency
	ISO 18651-1:2011	Building construction machinery and equipment — Internal vibrators for concrete — Part 1: Terminology and commercial specifications
	ISO 18652:2005	Building construction machinery and equipment — External vibrators for concrete
	ISO 19711-1:2018	Building construction machinery and equipment — Truck mixers — Part 1: Terminology and commercial specifications
	ISO 19720-1:2017	Building construction machinery and equipment — Plants for the preparation of concrete and mortar — Part 1: Terminology and commercial specifications
	ISO 21573-1:2014	Building construction machinery and equipment — Concrete pumps — Part 1: Terminology and commercial specifications
	ISO 21573-2:2020	Building construction machinery and equipment — Concrete pumps — Part 2: Procedure for examination of technical parameters
	ISO 21592:2006	Building construction machinery and equipment — Concrete spraying machines — Terminology and commercial specifications

ISO 21592:2006	Building construction machinery and equipment — Concrete spraying machines — Terminology and commercial specifications

Tekeillä:

Tunnus	Otsikko	Vaihe	Vaiheen pvm
ISO/CD 6085	Building construction machinery and equipment — Self-loading mobile concrete mixers — Safety requirements and verification	Lausuntovaihe alkaa	24.3.2022
ISO/CD 19711-2	Building construction machinery and equipment — Truck mixers — Part 2: Safety requirements	Komiteavaihe päättyy	5.3.2022
ISO/AWI 13105-1	Building construction machinery and equipment — Machinery for concrete surface floating and finishing — Part 1: Terms and commercial specifications	Työkohde rekisteröity	4.4.2022
ISO/AWI 13105-2	Building construction machinery and equipment — Machinery for concrete surface floating and finishing — Part 2: Safety requirements and verification	Työkohde rekisteröity	4.4.2022
ISO/AWI 18650-2	Building construction machinery and equipment — Concrete mixers — Part 2: Procedure for examination of mixing efficiency	Työkohde rekisteröity	4.4.2022
ISO/PWI 5342	Building construction machinery and equipment - Concrete machinery - worksite data exchange	Alustava työkohde rekisteröity	12.5.2021

7. ISO/TC 195/SC 2 Road operation machinery and associated equipment

Julkaisut:

FI	Tunnus	Otsikko

Tekeillä:

Tunnus	Otsikko	Vaihe	Vaiheen pvm
ISO/DIS 24147	Road operation machinery and associated equipment — Road surface cleaning machines —Terminology and commercial specifications	Lausuntovaihe rekisteröity	7.4.2022
ISO/PWI 24148	Sweepers — Efficiency of particulate matter collection — Testing and Evaluation	Alustavan työkohteen äänestys päättyy	23.10.2019
ISO/PWI 24149	Sweepers — Performance requirements and test methods	Alustavan työkohteen äänestys päättyy	23.10.2019
ISO/PWI 24150	Winter maintenance equipment — Spreading and spraying machines — General requirements and definitions	Alustavan työkohteen äänestys päättyy	23.10.2019

ISO/PWI 24151	Winter maintenance equipment — Spreading and spraying machines — Requirements for distribution and their test	Alustavan työkohteen äänestys päättyy	23.10.2019
ISO/PWI 24152	Winter maintenance equipment — Snow ploughs	Alustavan työkohteen äänestys päättyy	23.10.2019

8. ISO/TC 195/SC 3 Drilling and foundation machinery and equipment

Julkaisut:

FI	Tunnus	Otsikko
	ISO 11886:2002	Building construction machinery and equipment — Pile driving and extracting equipment — Terminology and commercial specifications
	ISO 11886:2002 /Cor 1:2006	Building construction machinery and equipment — Pile driving and extracting equipment — Terminology and commercial specifications — Technical Corrigendum 1
	ISO 21467:2004	Earth-moving machinery — Horizontal directional drills — Terminology and specifications

Tekeillä:

Tunnus	Otsikko	Vaihe	Vaiheen pvm
ISO/DIS 21467	Drilling and foundation machinery — Horizontal directional drilling (HDD) machines — Vocabulary and commercial specifications	Lausuntovaihe alkaa	10.1.2022
ISO/WD 11886	Drilling and foundation machinery – Soil and soil/rock drilling and foundation machines – Terminology and commercial specifications	Luonnoksen kommentointi päättyy	5.4.2022

9. ISO/TC 127 Earth-moving machinery

Julkaisut:

FI	Tunnus	Otsikko
	ISO 10987:2012	Earth-moving machinery — Sustainability — Terminology, sustainability factors and reporting
	ISO 10987-2:2017	Earth-moving machinery — Sustainability — Part 2: Remanufacturing
	ISO 10987-3:2017	Earth-moving machinery — Sustainability — Part 3: Used machines
	ISO/TR 19948:2016	Earth-moving machinery — Conformity assessment and certification process

Tekeillä:

Tunnus	Otsikko	Vaihe	Vaiheen pvm
ISO/PWI 5757	Rechargeable energy storage system (RESS) application for earth-moving machinery	Alustava työkohde rekisteröity	26.8.2020

10. ISO/TC 127/SC 1 Test methods relating to safety and machine performance

Julkaisut:

FI	Tunnus	Otsikko
	ISO 10265:2008	Earth-moving machinery — Crawler machines — Performance requirements and test procedures for braking systems
	ISO 10266:1992	Earth-moving machinery — Determination of slope limits for machine fluid systems operation — Static test method
	ISO 10268:1993	Earth-moving machinery — Retarders for dumpers and tractor-scrapers — Performance tests
	ISO 10532:1995	Earth-moving machinery — Machine-mounted retrieval device — Performance requirements
	ISO 10532:1995 /Amd 1:2004	Earth-moving machinery — Machine-mounted retrieval device — Performance requirements — Amendment 1
	ISO 10532:1995 /Amd 1:2004 /Cor 1:2006	Earth-moving machinery — Machine-mounted retrieval device — Performance requirements — Amendment 1 — Technical Corrigendum 1
	ISO 10532:1995 /Cor 1:2006	Earth-moving machinery — Machine-mounted retrieval device — Performance requirements — Technical Corrigendum 1
	ISO 10567:2007	Earth-moving machinery — Hydraulic excavators — Lift capacity
	SFS-ISO 10570:2017:en	Earth-moving machinery — Articulated frame lock — Performance requirements
	ISO 14397-1:2007	Earth-moving machinery — Loaders and backhoe loaders — Part 1: Calculation of rated operating capacity and test method for verifying calculated tipping load
	ISO 14397-1:2007 /Amd 1:2019	Earth-moving machinery — Loaders and backhoe loaders — Part 1: Calculation of rated operating capacity and test method for verifying calculated tipping load — Amendment 1
	ISO 14397-2:2007	Earth-moving machinery — Loaders and backhoe loaders — Part 2: Test method for measuring breakout forces and lift capacity to maximum lift height
	ISO 14401-1:2009	Earth-moving machinery — Field of vision of surveillance and rear-view mirrors — Part 1: Test methods
	ISO 14401-2:2009	Earth-moving machinery — Field of vision of surveillance and rear-view mirrors — Part 2: Performance criteria
	ISO 16001:2017	Earth-moving machinery — Object detection systems and visibility aids — Performance requirements and tests
	ISO 16754:2008	Earth-moving machinery — Determination of average ground contact pressure for crawler machines
	ISO 17253:2014	Earth-moving machinery and rough-terrain variable-reach trucks — Design requirements for machines intended to be driven on road
	ISO 21507:2010	Earth-moving machinery — Performance requirements for non-metallic fuel tanks
	ISO 5005:1977	Earth-moving machinery — Method for locating the centre of gravity
	SFS-ISO 5006:2017:en	Earth-moving machinery — Operator's field of view — Test method and performance criteria
	ISO 6014:1986	Earth-moving machinery — Determination of ground speed
	ISO 6015:2006	Earth-moving machinery — Hydraulic excavators and backhoe loaders — Methods of determining tool forces
	ISO 6016:2008	Earth-moving machinery — Methods of measuring the masses of whole machines, their equipment and components

	ISO 6483:1980	Earth-moving machinery — Dumper bodies — Volumetric rating
	ISO 6483:1980 /Cor 1:1994	Earth-moving machinery — Dumper bodies — Volumetric rating — Technical Corrigendum 1
	ISO 6484:1986	Earth-moving machinery — Elevating scrapers — Volumetric ratings
	ISO 6485:1980	Earth-moving machinery — Tractor-scraper — Volumetric rating
	ISO 7451:2007	Earth-moving machinery — Volumetric ratings for hoe-type and grab-type buckets of hydraulic excavators and backhoe loaders
	ISO 7457:1997	Earth-moving machinery — Determination of turning dimensions of wheeled machines
	ISO 7464:1983	Earth-moving machinery — Method of test for the measurement of drawbar pull
	ISO 7546:1983	Earth-moving machinery — Loader and front loading excavator buckets — Volumetric ratings
	SFS-ISO 8643:2017:en	Earth-moving machinery — Hydraulic excavator and backhoe loader lowering control device — Requirements and tests
	ISO 8813:1992	Earth-moving machinery — Lift capacity of pipelayers and wheeled tractors or loaders equipped with side boom
	ISO 9246:1988	Earth-moving machinery — Crawler and wheel tractor dozer blades — Volumetric ratings
	SFS-ISO 9248:2000:en	Earth-moving machinery — Units for dimensions, performance and capacities, and their measurement accuracies
	ISO 9249:2007	Earth-moving machinery — Engine test code — Net power

Tekeillä:

Tunnus	Otsikko	Vaihe	Vaiheen pvm

11. ISO/TC 127/SC 2 Safety, ergonomics and general requirements

Julkaisut:

FI	Tunnus	Otsikko
	ISO 10262:1998	Earth-moving machinery — Hydraulic excavators — Laboratory tests and performance requirements for operator protective guards
	ISO 10262:1998 /Cor 1:2009	Earth-moving machinery — Hydraulic excavators — Laboratory tests and performance requirements for operator protective guards — Technical Corrigendum 1
	ISO 10263-1:2009	Earth-moving machinery — Operator enclosure environment — Part 1: Terms and definitions
	ISO 10263-2:2009	Earth-moving machinery — Operator enclosure environment — Part 2: Air filter element test method
	ISO 10263-3:2009	Earth-moving machinery — Operator enclosure environment — Part 3: Pressurization test method
	ISO 10263-4:2009	Earth-moving machinery — Operator enclosure environment — Part 4: Heating, ventilating and air conditioning (HVAC) test method and performance
	ISO 10263-5:2009	Earth-moving machinery — Operator enclosure environment — Part 5: Windscreen defrosting system test method
	ISO 10263-6:2009	Earth-moving machinery — Operator enclosure environment — Part 6: Determination of effect of solar heating
	SFS-ISO 10264:1994:en	Earth-moving machinery — Key-locked starting systems

SFS-ISO 10533:2000:en	Earth-moving machinery — Lift-arm support devices
ISO 10533:1993 /Amd 1:2005	Earth-moving machinery — Lift-arm support devices — Amendment 1
SFS-ISO 10968:2020:en	Earth-moving machinery — Operator's controls
ISO 11112:1995	Earth-moving machinery — Operator's seat — Dimensions and requirements
ISO 11112:1995 /Amd 1:2001	Earth-moving machinery — Operator's seat — Dimensions and requirements — Amendment 1
ISO 12117:1997	Earth-moving machinery — Tip-over protection structure (TOPS) for compact excavators — Laboratory tests and performance requirements
ISO 12117:1997 /Cor 1:2000	Earth-moving machinery — Tip-over protection structure (TOPS) for compact excavators — Laboratory tests and performance requirements — Technical Corrigendum 1
ISO 12117-2:2008	Earth-moving machinery — Laboratory tests and performance requirements for protective structures of excavators — Part 2: Roll-over protective structures (ROPS) for excavators of over 6 t
ISO 12117-2:2008 /Amd 1:2016	Earth-moving machinery — Laboratory tests and performance requirements for protective structures of excavators — Part 2: Roll-over protective structures (ROPS) for excavators of over 6 t — Amendment 1
ISO 12117-2:2008 /Cor 1:2010	Earth-moving machinery — Laboratory tests and performance requirements for protective structures of excavators — Part 2: Roll-over protective structures (ROPS) for excavators of over 6 t — Technical Corrigendum 1
ISO 12508:1994	Earth-moving machinery — Operator station and maintenance areas — Bluntness of edges
ISO 13031:2016	Earth-moving machinery — Quick couplers — Safety
ISO 13333:1994	Earth-moving machinery — Dumper body support and operator's cab tilt support devices
ISO 13459:2012	Earth-moving machinery — Trainer seat — Deflection limiting volume, space envelope and performance requirements
ISO 13766-1:2018	Earth-moving and building construction machinery — Electromagnetic compatibility (EMC) of machines with internal electrical power supply — Part 1: General EMC requirements under typical electromagnetic environmental conditions
ISO 13766-2:2018	Earth-moving and building construction machinery — Electromagnetic compatibility (EMC) of machines with internal electrical power supply — Part 2: Additional EMC requirements for functional safety
ISO 15817:2012	Earth-moving machinery — Safety requirements for remote operator control systems
ISO 17063:2003	Earth-moving machinery — Braking systems of pedestrian-controlled machines — Performance requirements and test procedures
SFS-ISO 17757:2019:en	Earth-moving machinery and mining — Autonomous and semi-autonomous machine system safety
ISO 19014-1:2018	Earth-moving machinery — Functional safety — Part 1: Methodology to determine safety-related parts of the control system and performance requirements
ISO 19014-3:2018	Earth-moving machinery — Functional safety — Part 3: Environmental performance and test requirements of electronic and electrical components used in safety-related parts of the control system
ISO 19014-4:2020	Earth-moving machinery — Functional safety — Part 4: Design and evaluation of software and data transmission for safety-related parts of the control system

ISO 20474-1:2017	Earth-moving machinery — Safety — Part 1: General requirements
ISO 20474-10:2017	Earth-moving machinery — Safety — Part 10: Requirements for trenchers
ISO 20474-11:2017	Earth-moving machinery — Safety — Part 11: Requirements for landfill compactors
ISO 20474-12:2017	Earth-moving machinery — Safety — Part 12: Requirements for cable excavators
ISO 20474-13:2017	Earth-moving machinery — Safety — Part 13: Requirements for rollers
SFS-ISO 20474-15:2019:en	Earth-moving machinery — Safety — Part 15: Requirements for compact tool carriers
ISO 20474-2:2017	Earth-moving machinery — Safety — Part 2: Requirements for dozers
ISO 20474-3:2017	Earth-moving machinery — Safety — Part 3: Requirements for loaders
ISO 20474-4:2017	Earth-moving machinery — Safety — Part 4: Requirements for backhoe loaders
ISO 20474-5:2017	Earth-moving machinery — Safety — Part 5: Requirements for hydraulic excavators
ISO 20474-6:2017	Earth-moving machinery — Safety — Part 6: Requirements for dumpers
ISO 20474-7:2017	Earth-moving machinery — Safety — Part 7: Requirements for scrapers
ISO 20474-8:2017	Earth-moving machinery — Safety — Part 8: Requirements for graders
ISO 20474-9:2017	Earth-moving machinery — Safety — Part 9: Requirements for pipelayers
ISO 21815-1:2022	Earth-moving machinery — Collision warning and avoidance — Part 1: General requirements
SFS-ISO 24410:2020:en	Earth-moving machinery — Coupling of attachments to skid steer loaders
ISO 2860:1992	Earth-moving machinery — Minimum access dimensions
ISO 2867:2011	Earth-moving machinery — Access systems
ISO 3164:2013	Earth-moving machinery — Laboratory evaluations of protective structures — Specifications for deflection-limiting volume
ISO 3411:2007	Earth-moving machinery — Physical dimensions of operators and minimum operator space envelope
ISO 3449:2005	Earth-moving machinery — Falling-object protective structures — Laboratory tests and performance requirements
ISO 3450:2011	Earth-moving machinery — Wheeled or high-speed rubber-tracked machines — Performance requirements and test procedures for brake systems
ISO 3457:2003	Earth-moving machinery — Guards — Definitions and requirements
ISO 3471:2008	Earth-moving machinery — Roll-over protective structures — Laboratory tests and performance requirements
ISO 5010:2019	Earth-moving machinery — Wheeled machines — Steering requirements
ISO 5353:1995	Earth-moving machinery, and tractors and machinery for agriculture and forestry — Seat index point
ISO 6393:2008	Earth-moving machinery — Determination of sound power level — Stationary test conditions
ISO 6394:2008	Earth-moving machinery — Determination of emission sound pressure level at operator's position — Stationary test conditions
ISO 6394:2008 /Cor 1:2009	Earth-moving machinery — Determination of emission sound pressure level at operator's position — Stationary test conditions — Technical Corrigendum 1
ISO 6395:2008	Earth-moving machinery — Determination of sound power level — Dynamic test conditions
ISO 6396:2008	Earth-moving machinery — Determination of emission sound pressure level at operator's position — Dynamic test conditions
ISO 6396:2008 /Cor 1:2009	Earth-moving machinery — Determination of emission sound pressure level at operator's position — Dynamic test conditions — Technical Corrigendum 1

SFS-ISO 6682:2000:en	Earth-moving machinery — Zones of comfort and reach for controls
ISO 6682:1986 /Amd 1:1989	Earth-moving machinery — Zones of comfort and reach for controls — Amendment 1
ISO 6683:2005	Earth-moving machinery — Seat belts and seat belt anchorages — Performance requirements and tests
ISO 7096:2020	Earth-moving machinery — Laboratory evaluation of operator seat vibration
SFS-ISO 9244:2017:en	Earth-moving machinery — Machine safety labels — General principles
ISO 9244:2008 /Amd 1:2016	Earth-moving machinery — Machine safety labels — General principles — Amendment 1
ISO 9533:2010	Earth-moving machinery — Machine-mounted audible travel alarms and forward horns — Test methods and performance criteria
ISO/TR 25398:2006	Earth-moving machinery — Guidelines for assessment of exposure to whole-body vibration of ride-on machines — Use of harmonized data measured by international institutes, organizations and manufacturers
ISO/TS 19014-5:2021	Earth-moving machinery — Functional safety — Part 5: Tables of performance levels
ISO/TS 21815-2:2021	Earth-moving machinery — Collision warning and avoidance — Part 2: On-board J1939 communication interface

Tekeillä:

Tunnus	Otsikko	Vaihe	Vaiheen pvm
ISO/FDIS 19014-2	Earth-moving machinery — Functional safety — Part 2: Design and evaluation of hardware and architecture requirements for safety-related parts of the control system	Loppuäänestys alkaa	25.2.2022
ISO 3164:2013/FDAmd 1	Earth-moving machinery — Laboratory evaluations of protective structures — Specifications for deflection-limiting volume — Amendment 1	Loppuäänestys rekisteröity	11.6.2021
ISO/DIS 6683	Earth-moving machinery — Seat belts and seat belt anchorages — Performance requirements and tests	Lausuntovaihe päättyy	31.12.2021
ISO 13459:2012/CD Amd 1	Earth-moving machinery — Trainer seat — Deflection limiting volume, space envelope and performance requirements — Amendment 1	Komiteavaihe päättyy	22.12.2021
ISO/CD 21815-3	Earth-moving machinery — Collision warning and avoidance — Part 3: General risk area and risk level	Komiteavaihe päättyy	21.9.2021
ISO/WD 7021	Earth-moving machinery and machinery for forestry — Operator protective structures — Material performance requirements	Luonnoksen kommentointi päättyy	24.3.2022
ISO/WD 5953	Earth-moving machinery-- Material handling arms on loaders and backhoe loaders-- General requirements	Luonnoksen kommentointi alkaa	2.9.2021
ISO/WD TR 25398	Earth-moving machinery — Guidelines for assessment of exposure to whole-body	Luonnoksen kommentointi alkaa	16.4.2021

	vibration of ride-on machines — Use of harmonized data measured by international institutes, organizations and manufacturers		
ISO 13031:2016/AWI Amd 1	Earth-moving machinery — Quick couplers — Safety — Amendment 1	Työkohde rekisteröity	12.1.2021
ISO/AWI 13649	Earth-moving machinery — Fire prevention	Työkohde rekisteröity	12.1.2021
ISO/PWI 21815-4	Earth-moving machinery — Collision warning and avoidance — Part 4: Risk Area and Risk Level for Track movement and Swing/rotation	Alustava työkohde rekisteröity	10.8.2020
ISO/PWI 21815-5	Earth-moving machinery — Collision warning and avoidance — Part 5: Risk area and risk level for other forms of motion	Alustava työkohde rekisteröity	29.1.2021
ISO/PWI 6135	Earth-moving machinery – Safety of control systems containing non-deterministic aspects	Alustava työkohde rekisteröity	12.1.2022
~~ISO/PWI 24262~~	~~Earth moving machinery — Multi-point restraint system — Performance requirements and tests~~	Työkohde keskeytetty	4.4.2022

12. ISO/TC 127/SC 3 Machine characteristics, electrical and electronic systems, operation and maintenance

Julkaisut:

FI	Tunnus	Otsikko
	ISO 10261:2021	Earth-moving machinery — Product identification numbering system
	ISO 11862:1993	Earth-moving machinery — Auxiliary starting aid electrical connector
	ISO 12509:2004	Earth-moving machinery — Lighting, signalling and marking lights, and reflex-reflector devices
	ISO 12510:2004	Earth-moving machinery — Operation and maintenance — Maintainability guidelines
	ISO 12511:1997	Earth-moving machinery — Hour meters
	ISO 12511:1997 /Amd 1:2021	Earth-moving machinery — Hour meters — Amendment 1
	ISO 14990-1:2016	Earth-moving machinery — Electrical safety of machines utilizing electric drives and related components and systems — Part 1: General requirements
	ISO 14990-2:2016	Earth-moving machinery — Electrical safety of machines utilizing electric drives and related components and systems — Part 2: Particular requirements for externally-powered machines
	ISO 14990-3:2016	Earth-moving machinery — Electrical safety of machines utilizing electric drives and related components and systems — Part 3: Particular requirements for self-powered machines
	ISO 15143-1:2010	Earth-moving machinery and mobile road construction machinery — Worksite data exchange — Part 1: System architecture
	ISO 15143-2:2010	Earth-moving machinery and mobile road construction machinery — Worksite data exchange — Part 2: Data dictionary
	SFS-ISO 15818:2017:en	Earth-moving machinery — Lifting and tying-down attachment points — Performance requirements

ISO 15998:2008	Earth-moving machinery — Machine-control systems (MCS) using electronic components — Performance criteria and tests for functional safety
ISO 16714:2008	Earth-moving machinery — Recyclability and recoverability — Terminology and calculation method
ISO 22448:2010	Earth-moving machinery — Anti-theft systems — Classification and performance
ISO 23727:2009	Earth-moving machinery — Wheeled loader coupler for attachments
ISO 4510-1:1987	Earth-moving machinery — Service tools — Part 1: Common maintenance and adjustment tools
ISO 4510-2:1996	Earth-moving machinery — Service tools — Part 2: Mechanical pullers and pushers
ISO 6011:2003	Earth-moving machinery — Visual display of machine operation
ISO 6012:1997	Earth-moving machinery — Service instrumentation
ISO 6302:1993	Earth-moving machinery — Drain, fill and level plugs
ISO 6392-1:1996	Earth-moving machinery — Lubrication fittings — Part 1: Nipple type
ISO 6392-2:1996	Earth-moving machinery — Lubrication fittings — Part 2: Grease-gun nozzles
SFS-ISO 6405-1:2017:en	Earth-moving machinery — Symbols for operator controls and other displays — Part 1: Common symbols
ISO 6405-1:2017/Amd 1:2022	Earth-moving machinery — Symbols for operator controls and other displays — Part 1: Common symbols — Amendment 1: Additional symbols
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Tunnus	Otsikko	Vaihe	Vaiheen pvm
ISO/DIS 12509	Earth-moving machinery and rough-terrain trucks — Lighting, signalling and marking lights, and reflex reflector devices	Lausuntovaihe päättyy	19.11.2021
ISO/DIS 6011	Earth-moving machinery — Visual display of machine operation	Lausuntovaihe rekisteröity	10.3.2022
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13. ISO/TC 127/SC 4 Terminology, commercial nomenclature, classification and ratings

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	ISO 15219:2004	Earth-moving machinery — Cable excavators — Terminology and commercial specifications
	ISO 16417:2020	Earth-moving machinery — Hydraulic breakers — Terminology and commercial specifications
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	ISO 6746-1:2003	Earth-moving machinery — Definitions of dimensions and codes — Part 1: Base machine
	ISO 6746-2:2003	Earth-moving machinery — Definitions of dimensions and codes — Part 2: Equipment and attachments
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	ISO 6747:2013	Earth-moving machinery — Dozers — Terminology and commercial specifications
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ISO 7133:2013	Earth-moving machinery — Scrapers — Terminology and commercial specifications
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