

Deutsche Akkreditierungsstelle GmbH

Annex to the Accreditation Certificate D-PL-17009-34-00 according to DIN EN ISO/IEC 17025:2018

Valid from: 13.12.2022

Date of issue: 16.05.2024

Holder of certificate:

Deutsche Gesetzliche Unfallversicherung e.V. (DGUV)
Glinkastraße 40, 10117 Berlin

At the location:

Institut für Arbeitsschutz der Deutschen Gesetzlichen Unfallversicherung (IFA)
Prüf- und Zertifizierungsstelle im DGUV Test
Alte Heerstraße 111, 53757 Sankt Augustin

Tests in the fields:

Machinery
Personal protective equipment

The testing laboratory is permitted, without being required to inform and obtain prior approval from DAkkS, to use standards or equivalent testing methods listed here with different issue dates.

The testing laboratory maintains a current list of all testing methods within the flexible scope of accreditation.

The management system requirements of DIN EN ISO/IEC 17025 are written in the language relevant to the operations of testing laboratories. Laboratories that conform to the requirements of this standard, operate generally in accordance with the principles of DIN EN ISO 9001.

*The certificate together with the annex reflects the status as indicated by the date of issue.
The current status of any given scope of accreditation can be found in the directory of accredited bodies maintained by Deutsche Akkreditierungsstelle GmbH at <https://www.dakks.de/en/content/accredited-bodies-dakks>.*

Abbreviations used: see last page

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This document is a translation. The definitive version is the original German annex to the accreditation certificate.

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
Products in accordance with PPE-R (EU) 2016/425			
Respiratory protective devices			
PPE	DIN 58620: 2007-02	Gas filter(s) and combined filter(s) for protection against carbon monoxide- Requirements, testing, marking	
PPE	DIN 58621: 2011-10	Respiratory protective devices– Reactor filters for protection against radioactive Methyl iodide and radioactive particles- Requirements, testing, marking	
PPE	DIN 58647-7: 1997-12	Respiratory protective devices for self-rescue– Part 7: Filtering devices for self-rescue; requirements, testing, marking	
PPE	DIN EN 136: 1998-04	Respiratory protective devices– Full face masks Requirements, testing, marking	
PPE	DIN EN 140: 1998-12	Respiratory protective devices- Half masks and quarter-masks- Requirements, testing, marking	
PPE	DIN EN 142: 2002-08	Respiratory protective devices- Mouthpiece assemblies- Requirements, testing, marking	
PPE	DIN EN 143: 2007-02	Respiratory protective devices- Particle filters- Requirements, testing, marking	
PPE	DIN EN 149: 2009-08	Respiratory protective devices- Filtering half masks to protect against particles- Requirements, testing, marking	
PPE	DIN EN 403: 2004-08	Respiratory protective devices for self-rescue - Filtering devices with hood for escape from fire - Requirements, testing, marking	
PPE	DIN EN 405: 2009-08	Respiratory protective devices - Valved filtering half masks to protect against gases or gases and particles - Requirements, testing, marking	

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
PPE	DIN EN 1827: 2009-11	Respiratory protective devices- Half masks without inhalation valves and with separable filters to protect against gases or gases and particles or particles only- Requirements, testing, marking	
PPE	DIN EN 12083: 1998-06	Respiratory protective devices - Filters with breathing (Non-mask mounted filters) - Particle filters, gas filters, and combined filters - Requirements, testing, marking	
PPE	DIN EN 12941: 2009-02	Respiratory protective devices- Powered filtering devices incorporating a helmet or a hood- Requirements, testing, marking	
PPE	DIN EN 12942: 2009-02	Respiratory protective devices- Power assisted filtering devices incorporating full face masks, half masks or quarter masks- Requirements, testing, marking	
PPE	DIN EN 14387: 2008-05	Respiratory protective devices- Gas filter(s) and combined filter(s)- Requirements, testing, marking	
PPE	DIN EN 14594: 2018-06	Respiratory protective devices- Continuous flow compressed air line breathing apparatus- Requirements, testing, marking	
Hearing protection devices			
PPE	DIN EN 352-1: 2021-03	Hearing protectors - General requirements - Part 1: Earmuffs; German version EN 352-1:2020	
PPE	DIN EN 352-2: 2021-03	Hearing protectors - General requirements - Part 2: Earplugs; German version EN 352-2:2020	
PPE	DIN EN 352-3: 2021-03	Hearing protectors - General requirements - Part 3: Earmuffs attached to head protection and/or face protection devices; German version EN 352-3:2020	
PPE	DIN EN 352-4: 2021-03	Hearing protectors - Safety requirements - Part 4: Level-dependent earmuffs; German version EN 352-4:2020	

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
PPE	DIN EN 352-5: 2021-03	Hearing protectors - Safety requirements - Part 5: Active noise reduction earmuffs; German version EN 352-5:2020	
PPE	DIN EN 352-6: 2021-03	Hearing protectors - Safety requirements - Part 6: Earmuffs with safety-related audio input; German version EN 352-6:2020	
PPE	DIN EN 352-7: 2021-03	Hearing protectors - Safety requirements - Part 7: Level-dependent earplugs; German version EN 352-7:2020	
PPE	DIN EN 352-8: 2021-03	Hearing protectors - Safety requirements - Part 8: Entertainment audio earmuffs; German version EN 352-8:2020	
PPE	DIN EN 352-9:2021-03	Hearing protectors - Safety requirements - Part 9: Earplugs with safety-related audio input; German version EN 352-9:2020	
PPE	DIN EN 352-10:2021-03	Hearing protectors - Safety requirements - Part 10: Entertainment audio earplugs; German version EN 352-10:2020	
PPE	GS-IFA-P14 (07/2020)	Principles on testing and certification of complete hearing aid systems for the noise workplace	
PPE	GS-IFA-P16 (04/2019)	Principles on testing and certification of custom moulded earplugs for hearing aids for the noise workplace as hearing protector	
Hand and arm protective equipment with protective effect against			
• Heat, fire, cold and mechanical risks			
PPE	DIN EN ISO: 21420: 2020-06	Protective gloves - General requirements and test methods (ISO 21420:2020)	Except sections 4.2 a, b, d, e, f and 4.4.1
PPE	DIN EN 388: 2019-03	Protective gloves against mechanical risks	

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PPE	DIN EN 407: 2020-06	Protective gloves and other hand protective equipment against thermal risks (heat and/or fire)	
PPE	DIN EN 659: 2008-06	Protective gloves for firefighters	
PPE	DIN EN 12477: 005-09	Protective gloves for welders	
PPE	DIN EN 511: 2006-07	Protective gloves against cold	Except sections 5.2, 5.4, 5.5, 5.6
• Chemical and biological risks and radioactive contamination			
PPE	DIN EN ISO 374-1:2018-10	Protective gloves against dangerous chemicals and micro-organisms - Part 1: Terminology and performance requirements for chemical risks (ISO 374-1:2016 + Amd. 1:2018); German version EN ISO 374-1:2016 + A1:2018	
PPE	DIN EN 374-2: 2014	Protective gloves against dangerous chemicals and micro-organisms - Part 2: Determination of resistance to penetration, German version EN 374-2: 2014	
PPE	prEN 374-4: 2014-03	Protective gloves against chemicals and micro-organisms - Part 4: Determination of resistance to degradation by chemicals; German version EN 374-4:2013	
PPE	DIN EN ISO 374-5: 2017-03	Protective gloves against dangerous chemicals and micro-organisms - Part 5: Terminology and performance requirements for micro-organisms risks (ISO 374-5:2016); German version EN ISO 374-5:2016	
PPE	DIN EN 16523-1: 2015-04	Determination of material resistance to permeation by chemicals - Part 1: Permeation by liquid chemical under conditions of continuous contact; German version EN 16523-1:2015	

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
PPE	DIN EN 421: 2010-10	Protective gloves against ionizing radiation and radioactive contamination; German version EN 421:2010	Only radioactive contamination: Sections 4.2.1, 4.2.2, 4.4, 4.5, 4.6
• Vibration			
PPE	DIN EN ISO 10819: 2019 and Amd. 1 (ISO 10819: 2013 + Amd.1:2019); German and English version EN ISO 10819:2013 + Amd. 1:2019 Issue 2019-05	Mechanical vibration and shock - Hand-arm vibration - Measurement and evaluation of the vibration transmissibility of gloves at the palm of the hand (ISO 10819:2013 + Amd.1:2019); German version EN ISO 10819:2013 + A1:2019	
Head protection equipment with protective effect against heat and mechanical effects			
PPE	DIN EN 397: 2013-04	Industrial safety helmets	
PPE	DIN EN 812: 2012-04	Industrial bump caps	
Protective clothing with protective effect against heat, fire, cold, mechanical hazards, arc flash as well as high visible protective clothing and weather protective clothing			
PPE	DIN EN ISO 13688: 2013-12	Protective clothing - General requirements	Except sections 4.2a, b, d
PPE	DIN EN 343: 2019-06	Protective clothing - Protection against rain	Except sections 5.5, 6.4, 6.7 und 6.10
PPE	DIN EN 469: 2020-12	Protective clothing for firefighters - Performance requirements for protective clothing for firefighting activities	Except section 6.3.1
PPE	DIN EN ISO 20471: 2017-03	High visibility clothing - Test methods and requirements	Except sections 5.2, 5.5.2 und 5.6
PPE	DIN EN 17353: 2020-11	Protective clothing - Enhanced visibility equipment for medium risk situations - Test methods and requirements	Except sections 6.1.2, 6.1.3, 7.4.5 und 7.5.3
PPE	DIN 58124: 2018-10	Satchels	only sections 5.6.2, 5.6.3.1 und 5.6.3.2

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
PPE	DIN EN 1486: 2008-04	Protective clothing for fire-fighters - Test methods and requirements for reflective clothing for specialised fire-fighting	Except sections 4.3.2 und 7.3
PPE	DIN EN 17353: 2020-11	Protective clothing - Enhanced visibility equipment for medium risk situations - Test methods and requirements	
PPE	DIN / TS 91418:2021-07	Warning clothing with active lighting in addition to DIN EN ISO 20471 and DIN EN 17353 - Equipment for active luminous warning clothing - Test methods and requirements	
PPE	DIN EN ISO 11611: 2015-11	Protective clothing for use in welding and allied processes	Except sections 6.4, 6.10
PPE	DIN EN ISO 11612: 2015-11	Protective clothing - Clothing to protect against heat and flame	Except section 6.5.3
PPE	DIN EN ISO 14116: 2015-11	Protective clothing - Protection against heat and flame - Limited flame spread materials, material assemblies and clothing	
PPE	DIN EN 15614: 2007-09	Protective clothing for fire-fighters – Laboratory test methods and performance requirements for protective clothing for wildland fire-fighting	Except section 8.2
Protective clothing with protective effect against chemical risks			
PPE	DIN EN 14605: 2009-08	Protective clothing against liquid chemicals - Performance requirements for clothing with liquid-tight (Type 3) or spray-tight (Type 4) connections, including items providing protection to parts of the body only (Types PB [3] and PB [4]); German version EN 14605:2005+A1:2009	

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
PPE	DIN EN 13034: 2009-08	Protective clothing against liquid chemicals - Performance requirements for chemical protective clothing offering limited protective performance against liquid chemicals (Type 6 and Type PB [6] equipment); German version EN 13034:2005+A1:2009	
PPE	DIN EN ISO 13982-1: 2011-02; (ISO 13982-1: 2004 + Amd. 1:2010)	Protective clothing for use against solid Particles – Part 1: Performance requirements for chemical protective clothing providing protection to the full body against airborne solid particulates (type 5 clothing) German Version EN ISO 13982-1:2004 + A1:2010	
PPE	DIN EN ISO 13982-2: 2005-03 (ISO 13982-2: 2004)	Protective clothing for use against solid particles - Part 2: Test method for the determination of inward leakage of aerosols of small particles through protective clothing; German Version EN ISO 13982-2:2004	
PPE	DIN EN 14325: 2018-08	Protective clothing against chemicals - Test methods and performance classification of chemical protective clothing materials, seams, joins and assemblages; German version EN 14325:2018	Except sections 4.6, 4.8, 4.14, 4.15
PPE	DIN EN ISO 6529: 2003 (ISO 6529: 2001)	Protective clothing - Protection against chemicals - Determination of resistance of protective clothing materials to permeation by liquids and gases (ISO 6529:2001)	Procedure A only, using a standardised permeation rate of 1,0 µg / (cm ² x min)
PPE	ISO 6529: 2013-02	Protective clothing - Protection against chemicals - Determination of resistance of protective clothing materials to permeation by liquids and gases	
PPE	DIN EN 6530: 2005; ISO 6530: 2005-05 German version EN ISO 6530:2005	Protective clothing - Protection against liquid chemicals - Test method for resistance of materials to penetration by liquids (ISO 6530:2005);	

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
PPE	DIN EN 943-1: 2019-06	Protective clothing against dangerous solid, liquid and gaseous chemicals, including liquid and solid aerosols - Part 1: Performance requirements for Type 1 (gas-tight) chemical protective suits; German version EN 943-1:2015	
PPE	DIN EN 1073-1: 2018-10	Protective clothing against solid airborne particles including radioactive contamination - Part 1: Requirements and test methods for compressed air line ventilated protective clothing, protecting the body and the respiratory tract; German version EN 1073-1:2016+A1:2018	
PPE	DIN EN 1073-2: 2002-10	Protective clothing against radioactive contamination - Part 2: Requirements and test methods for non-ventilated protective clothing against particulate radioactive contamination; German version EN 1073-2:2002	
PPE	DIN EN ISO 17491-4: 2016-09; (ISO 17491-4: 2008 + Amd. 1:2016)	Protective clothing - Test methods for clothing providing protection against chemicals - Part 4: Determination of resistance to penetration by a spray of liquid (spray test); German version EN ISO 17491-4: 2008 + A1: 2016	
PPE	DIN EN ISO 17491-3: 2008-12; (ISO 17491-3: 2008); German version EN ISO 17491-3: 2008	Protective clothing - Test methods for clothing providing protection against chemicals - Part 3: Determination of resistance to penetration by a jet of liquid (jet test); German version EN ISO 17491-3: 2008	
Foot and leg protection			
PPE	DIN EN ISO 20344: 2013-02	Personal protective equipment - Test methods for footwear	Except sections 5.12, 5.13, 5.15.2, 5.16, 5.17, 6.5 to 6.8, 6.10, 6.13, 7.2, 7.3, 8.5

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
PPE	DIN EN ISO 20345: 2012-04	Personal protective equipment - Safety footwear	except for the above-mentioned tests according to DIN EN ISO 20344
PPE	DIN EN ISO 20346: 2014-09	Personal protective equipment - Protective footwear	except for the above-mentioned tests according to DIN EN ISO 20344
PPE	DIN EN ISO 20347: 2012-05	Personal protective equipment - Occupational footwear	except for the above-mentioned tests according to DIN EN ISO 20344
PPE	DIN EN 14404: 2010-05	Personal protective equipment - Knee protectors for work in the kneeling position	
Products in accordance with Annex IV of Machinery Directive 2006/42/EC			
Functional safety of electrical logic units for safety functions according to Annex IV of the Machinery Directive 2006/42/EC and other electrical systems and components			
Machinery	DIN EN ISO 10218-1: 2012-01	Robots and robotic devices - Safety requirements for industrial robots - Part 1: Robots	
Machinery	DIN EN ISO 13482: 2014-11	Robots and robotic devices - Safety requirements for personal care robots	
Machinery	DIN EN ISO 13849-1: 2016-06	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design	
Machinery	DIN EN ISO 13849-2: 2013-02	Safety of machinery - Safety-related parts of control systems - Part 2: Validation	
Machinery	DIN EN ISO 13850: 2016-05	Safety of machinery - Emergency stop function - Principles for design	
Machinery	DIN EN ISO 13851: 2019-11	Safety of machinery - Two-hand control devices - Principles for design and selection	
Machinery	DIN EN ISO 14119: 2014-03	Safety of machinery - Interlocking devices associated with guards - Principles for design and selection	

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
Machinery	DIN ISO/TS 15066: 2017-04	Robots and robotic devices - Collaborative robots	
Machinery	ISO 15998: 2008-04	Earth-moving machinery - Machine control systems (MCS) using electronic components - Performance criteria and tests for functional safety	
Machinery	DIN EN ISO 19014-3:2019-06	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	
Machinery	DIN EN ISO 19014-4:2021-01	Earth-moving machinery - Functional safety - Part 4: Design and evaluation of software and data transmission for safety-related parts of the control system	
Machinery	IEC 61800-5-3:2021-02 (Replaces the previous Prüfgrundsatz GS-IFA-M21, which contained the same requirements as the standard. The PG served as a test basis until the publication of the standard)	Adjustable speed electrical power drive systems - Part 5-3: Safety requirements - Functional, electrical and environmental requirements for encoders	
Machinery	DIN EN 60947-5-5: 2017-08	Low-voltage switchgear and controlgear - Part 5-5: Control circuit devices and switching elements - Electrical emergency stop device with mechanical latching function	
Machinery	DIN EN 61131-6: 2013-10	Programmable controllers - Part 6: Functional safety	
Machinery	DIN EN 61508-1: 2011-02	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 1: General requirements	Except section 6 (FSM)

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
Machinery	DIN EN 61508-2: 2011-02	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 2: Requirements for electrical/electronic/programmable electronic safety-related systems	
Machinery	DIN EN 61508-3: 2011-02	Functional safety of electrical/electronic/programmable electronic safety-related systems - Part 3: Software requirements	
Machinery	DIN EN 61784-3: 2017-09	Industrial communication networks - Profiles - Part 3: Functional safety fieldbuses	
Machinery	DIN EN 61800-5-1: 2017-11	Adjustable speed electrical power drive systems - Part 5-1: Safety requirements - Electrical, thermal and energy	Except sections 5.2.2.2 (Short circuit testing of printed circuit boards), 5.2.3.3 (Partial discharge test), 5.2.3.6 (Short-circuit current test), 5.2.5.1 (Ignition test - high current), 5.2.5.4 (Flammability test)
Machinery	DIN EN 61800-5-2: 2017-11	Adjustable speed electrical power drive systems - Part 5-2: Safety requirements - Functional	Except section 9.3 (EMC)
Machinery	DIN EN 62061: 2016-05	Safety of machinery - Functional safety of safety-related electrical, electronic and programmable electronic control systems	

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
Machinery	GS-ET-07: 2020-03	Principles of testing and certification of wireless control equipment for machinery safety requirements	Except section. 4.7 (EMC- and radio-transmission-requests) and 4.9 (Radiation emission)
Machinery	GS-ET-08: 2019-08	Electrical emergency stop devices with mechanical latching function	
Machinery	GS-ET-15: 2019-06	Supplementary requirements for the testing and certification of positively opening position switches	Except section 5.21 (EMC), 5.22.1 (PAK)
Machinery	GS-IFA-M17: 2021-01	Principles for the testing and certification of the safety of electrical control systems of machine	
Machinery	GS-IFA-M19: 2021-01	Principles for the testing and certification of drive controls with integrated safety sub-functions	
Machinery	GS-IFA-M21: 2018-08	Principles for the testing and certification of rotary and position measuring systems for functional safety	
Machinery	GS-IFA-M22: 2020-10	Principles for testing and certification of fire extinguishing control systems with integrated safety functions	
Machinery	GS-VL-40: 2019-04	Principles for the testing and certification of reversing assistance systems for commercial vehicles	except optical radiation (3.5 c), rain, snow, fog (3.5 g), electromagnetic compatibility and immunity (3.5 h)
Hydraulic logic units for safety functions in accordance with Annex IV of Machinery Directive 2006/42/EC and other hydraulic systems and components			
Machinery	DIN EN ISO 4413: 2011-04	Hydraulic fluid power - General rules and safety requirements for systems and their components	

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Machinery	DIN EN ISO 13849-1: 2016-06	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design	
Machinery	DIN EN ISO 13849-2: 2013-02	Safety of machinery - Safety-related parts of control systems - Part 2: Validation	
Machinery	DIN EN ISO 13851: 2019-11	Safety of machinery - Two-hand control devices - Principles for design and selection	
Machinery	GS-IFA-M13: 2019-09	Principles for the testing and certification of hydraulic/electrohydraulic valves/valve combinations for safety-related parts of controls	Except section. 4.6 (EMC)
Pneumatische Logikeinheiten für Sicherheitsfunktionen gemäß Anhang IV der Maschinen-Richtlinie 2006/42/EG und sonstige pneumatische Systeme und Komponenten			
Machinery	DIN EN ISO 4414: 2011-04	Pneumatic fluid power - General rules and safety requirements for systems and their components	
Machinery	DIN EN ISO 13849-1: 2016-06	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design	
Machinery	DIN EN ISO 13849-2: 2013-02	Safety of machinery - Safety-related parts of control systems - Part 2: Validation	
Machinery	DIN EN ISO 13851: 2019-11	Safety of machinery - Two-hand control devices - Principles for design and selection	
Machinery	GS-IFA-M07: 2019-09	Principles for the testing and certification of pneumatic/electropneumatic valves/valve combinations for safety-related parts of controls	Except section 4.6 (EMC)
Electro-sensitive protective equipment for the detection of persons in accordance with Annex IV of Machinery Directive 2006/42/EC			
Machinery	DIN EN 61496-1: 2021-06	Safety of machinery - Electro-sensitive protective equipment - Part 1: General requirements and tests	Except sections 5.4.3.4, 5.4.3.5 (EMC)

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
Machinery	DIN EN 61496-2: 2021-08	Safety of machinery - Electro-sensitive protective equipment - Part 2: Particular requirements for equipment using active opto-electronic protective devices (AOPDs)	Except section 5.2.10 Radiation intensity
Machinery	DIN EN IEC 61496-3: 2019-10	Safety of machinery - Electro-sensitive protective equipment - Part 3: Particular requirements for active opto-electronic protective devices responsive to diffuse Reflection (AOPDDR)	Except section 5.2.13 Radiation intensity
Machinery	DIN IEC/TS 61496-4-2: 2015-06	Safety of machinery - Electro-sensitive protective equipment - Part 4-2: Particular requirements for equipment using vision based protective devices (VBPD) - Additional requirements when using reference pattern techniques (VBPDP)	Except section 5.2.11 Radiation intensity
Machinery	DIN IEC/TS 61496-4-3: 2016-08	Safety of machinery - Electro-sensitive protective equipment - Part 4-3: Particular requirements for equipment using vision based protective devices (VBPD) - Additional requirements when using stereo vision techniques	Except section 5.2.11 Radiation intensity
Machinery	DIN IEC/TS 62998-1: 2021-10	Safety of machinery - Safety-related sensors used for the protection of persons	
Machinery	IFA Test Recommendation / Design 2007	Test recommendations for non-contact protective devices in RDID technology (ESPE-RFID)	
Machinery	IFA Test Recommendation / 310248, as of 2001	Recommendations for the testing of ultrasonic sensors for personal protection applications	
Tactile protective devices for detecting persons in accordance with Annex IV of the Machinery Directive 2006/42/EC			
Machinery	DIN EN ISO 13856-1: 2013-08	Safety of machinery - Pressure-sensitive protective devices - Part 1: General principles for the design and testing of pressure-sensitive mats and pressure-sensitive floors	Except section 7.13.4 (EMC)

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
Machinery	DIN EN ISO 13856-2: 2013-08	Safety of machinery - Pressure-sensitive protective devices - Part 2: General principles for the design and testing of pressure-sensitive edges and pressure-sensitive bars	Except section 7.11.4 (EMC)
Machinery	DIN EN ISO 13856-3: 2013-12	Safety of machinery - Pressure-sensitive protective devices - Part 3: General principles for design and testing of pressure-sensitive bumpers, plates, wires and similar devices	Except section 7.1.11.5 (EMC)
Mechanical systems and components			
• Separating protective devices / safety components			
Machinery	DIN EN 12417: 2009-07	Machine tools - Safety - Machining centres	
Machinery	DIN EN ISO 16090-1:2019-12	Machine tools safety - Machining centres, Milling machines, Transfer machines	
Machinery	DIN EN ISO 14120: 2016-05	Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards	
Machinery	DIN EN ISO 16089: 2016-06	Machine tools - Safety - Stationary grinding machines	
Machinery	DIN EN ISO 23125: 2015-04	Machine tools - Safety - Turning machines	
• Brakes			
Machinery	GS-H0-01: 2010-09	Principles for the testing and certification of woodworking machines, Annex 1, Appendix 1, Section 3	Except section 3.2.8.6 (EMC)
Machinery	GS-IFA-M08: 2017-04	Principles for the testing and certification of pneumatic brakes/holding equipment for linear drives	
Machinery	GS-MF-28: 2015-04	Principles for the testing and certification of emergency brakes with holding brake function for linear movements	

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
External influences caused by operating and ambient conditions			
Machinery	DIN EN 60529: 2014-09	Degrees of protection provided by enclosures (IP code) without IPxl und 1Px2	Except IPX1, X2 und X9
Machinery	DIN EN 60068-2-6: 2008-10	Environmental testing - Part 2-6: Tests - Test Fc: Vibration (sinusoidal)	
Machinery	DIN EN 60068-2-27: 2010-02	Environmental testing - Part 2-27: Tests - Test Ea and guidance: Shock (only semisinusoidal)	
Machinery	DIN EN 60068-2-64: 2020-09	Environmental testing - Part 2-64: Tests - Test Fh: Vibration, broadband random and guidance	
Whole-body vibration			
Machinery	DIN EN 14253: 2008	Mechanical vibration - Measurement and calculation of occupational exposure to whole-body vibration with reference to health - Practical guidance; German version EN 14253:2003+A1:2007	
Machinery	VDI 2057 Blatt 3: 2017	Human exposure to mechanical vibration - Whole-body vibration at workplaces in buildings	
Machinery	DIN EN 1032: 2009	Mechanical vibration - Testing of mobile machinery in order to determine the vibration emission value; German version EN 1032:2003+A1:2008	
Hand-arm-vibration			
Machinery	DIN EN ISO 5349-1: 2001	Mechanical vibration - Measurement and evaluation of human exposure to hand-transmitted vibration - Part 1: General requirements (ISO 5349-1:2001)	

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
Machinery	DIN EN ISO 20643: 2012	Mechanical vibration - Hand-held and hand-guided machinery - Principles for evaluation of vibration emission (ISO 20643:2005 + Amd. 1:2012)	
Machinery	DIN EN 1032: 2008	Mechanical vibration - Testing of mobile machinery in order to determine the vibration emission value	(Parts concerning hand arm vibration)
Machinery	DIN EN 60745-1 und VDE 0740-1: 2010-01	Hand-held motor-operated electric tools - Safety - Part 1: General requirements (IEC 60745-1:2006, modified); German version of EN 60745-1:20098	(Only partial vibrations)
Machinery	DIN EN ISO 22867: 2012	Forestry and gardening machinery - Vibration test code for portable hand-held machines with internal combustion engine - Vibration at the handles (ISO 22867:2011); German version EN ISO 22867:2011	
Machinery	DIN EN ISO 13753: 2008	Mechanical vibration and shock - Hand-arm vibration - Method for measuring the vibration transmissibility of resilient materials when loaded by the hand-arm system (ISO 13753:1998); German version of EN ISO 13753:2008 + correction 1 (2009)	
Products within the framework of the German Product Safety Act			
Forklift trucks			
Machinery	DIN EN 1757-3: 2003-07	Safety of industrial trucks - Pedestrian propelled manual and semi-manual trucks, German Version EN 1757:2022	
Machinery	GS - Prüfgrundsatz EK5/AK5 06-01.3: 2011	Manually guided single-axle industrial trucks	
Machinery	GS - Prüfgrundsatz EK5/AK5 06-02.2: 2011	Manually guided multi-axle industrial trucks	
Machinery	GS - Prüfgrundsatz EK5/AK5 11-01.0: 2011	Transport trucks for sports equipment	

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
Machinery	GS-Prüfgrundsatz EK5/AK5 13-01.0:2013	Principles for the testing and certification of multi-axle, manually operated industrial trucks with ladders	
Machinery	GS-Prüfgrundsatz EK5/AK5 14-04.0:2014	Test principle for the safety of dollies	
Vibration-reducing seats for commercial use			
Machinery	DIN EN ISO 10326-1: 2017-03	Mechanical vibration - Laboratory method for evaluating vehicle seat vibration - Part 1: Basic requirements (ISO 10326-1:2016); German version EN ISO 10326-1:2016	
Extraction systems			
• Welding fume separation equipment			
Machinery	DIN EN ISO 15012-1: 2013-08	Health and safety in welding and allied processes - Equipment for capture and separation of welding fume - Part 1: General requirements (ISO 21904-1:2020); German version EN ISO 21904-1:2020	
• Vacuum cleaners for industrial use and dust extractors			
Machinery	DIN EN 60335-2-69: 2015-07	Household and similar electrical appliances - Safety - Part 2-69: Particular requirements for wet and dry vacuum cleaners, including power brush for commercial use/ principles of dust tests (filtration and explosion protection) are found in Annexes AA and CC of DIN EN 60335-2-69	
Ladders and steps			
	EK5/AK1 17-02.4: 2021-06	Test Principles for the safety of standing ladders	
	EK5/AK1 17-1.3: 2021-06	Test Principles for the safety of leaning ladders	
	EK5/AK1 17-04.3: 2021-08	Test Principles for the Safety of Single or Multiple Hinge Joint Ladders	

Subject area	Standard or test method / version	Title of the standard or test method	Restrictions on the test method
	EK5/AK1 17-03.3: 2021-06	Test Principles for the Safety of combination ladders	
Other products			
Grinding tools			
Machinery	DIN EN 12413: 2019-12	Safety requirements for bonded abrasive products	
Machinery	DIN EN 13236: 2019-07	Safety requirements for superabrasive products	
Machinery	DIN EN 13743: 2017-04	Safety requirements for coated abrasive products	
Machinery	DIN EN 847-1: 2018-01	Tools for woodworking - Safety requirements - Part 1: Milling tools, circular saw blades	
Machinery	DIN EN 1083-2: 1997-02	Power driven brushes - Part 2: Safety requirements	
Machinery	ANSI B7.1, Part 7.1.4: 2018-08	Safety Requirements for Use, Care and Protection of Abrasive Wheels	
Anti-slip properties of floor coverings			
	DIN EN 16165: 2021-12	Determination of slip resistance of pedestrian surfaces - Methods of evaluation; German version EN 16165:2021	
	DGUV Regel 108-003: 2003-10	Floors in working premises and working areas presenting a risk of slipping	
	DGUV-Information 208-041: 2011-01	Assessment of the risk of slipping under plant conditions	
	GS-IFA-B02	Principles for the testing and certification of temporary floor coverings	

Abbreviations used:

DIN	Deutsches Institut für Normung e.V. (German Institute for Standardisation)
EN	Europäische Norm (in English, European Standard)
GS test principles	CAB internal procedure
IEC	International Electrotechnical Commission
ISO	International Organization for Standardization