

25 års standarder tilgængelige med et klik

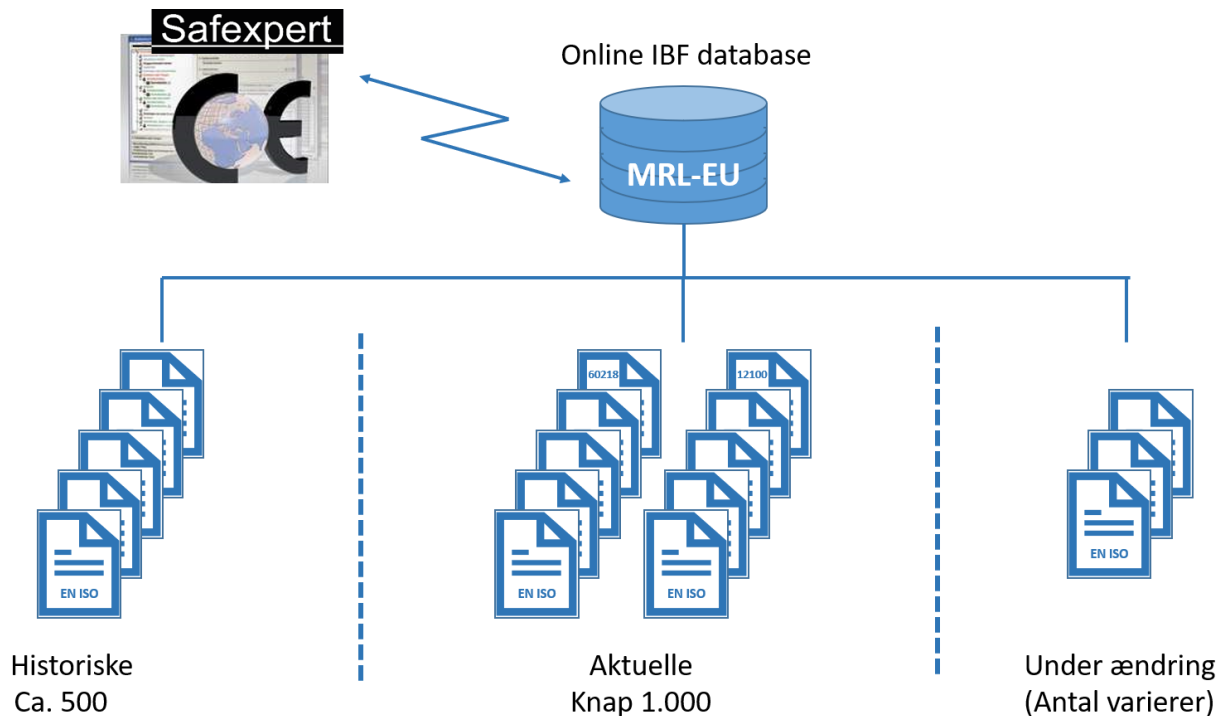
Online adgang til 25 års standarder – med et klik.

Datapakken MRL-EU (maskindirektivet) giver adgang til bibliografiske data for samtlige standarder i maskindirektivet. Denne database med standarder bliver løbende opdateret af firmaet IBF to gange dagligt - på grundlag af "EU Journal". Det er sket siden 1995, hvor maskindirektivet officielt blev udgivet.

Der findes cirka 1.500 standarder i basen, som i sin tid blev designet i samarbejde med det Østrigske Standard Institut. Der ligger udgåede, gældende og kommende standarder.

Hvis man for eksempel forventer at udgive/markedsføre en maskine i fremtiden, kan man altså se om de standarder, man har valgt at bruge, ændrer sig inden udgivelsesdatoen. Man kan se hvilke udgaver af standarderne, der er aktuelle på det forventede markedsføringstidspunkt.

MRL-EU. Datapakken til maskindirektivet.



EU-PLUS er datapakken, som dækker EMC, RoHS, ATEX, Trykdirektivet (PeD), Lavvoltsdirektivet (LvD)

I alt cirka 12.000 standarder

ON/ÖVE er den østrigske datapakke, som dækker lokale forordninger og nationale standarder.

I alt cirka 82.000 dokumenter.

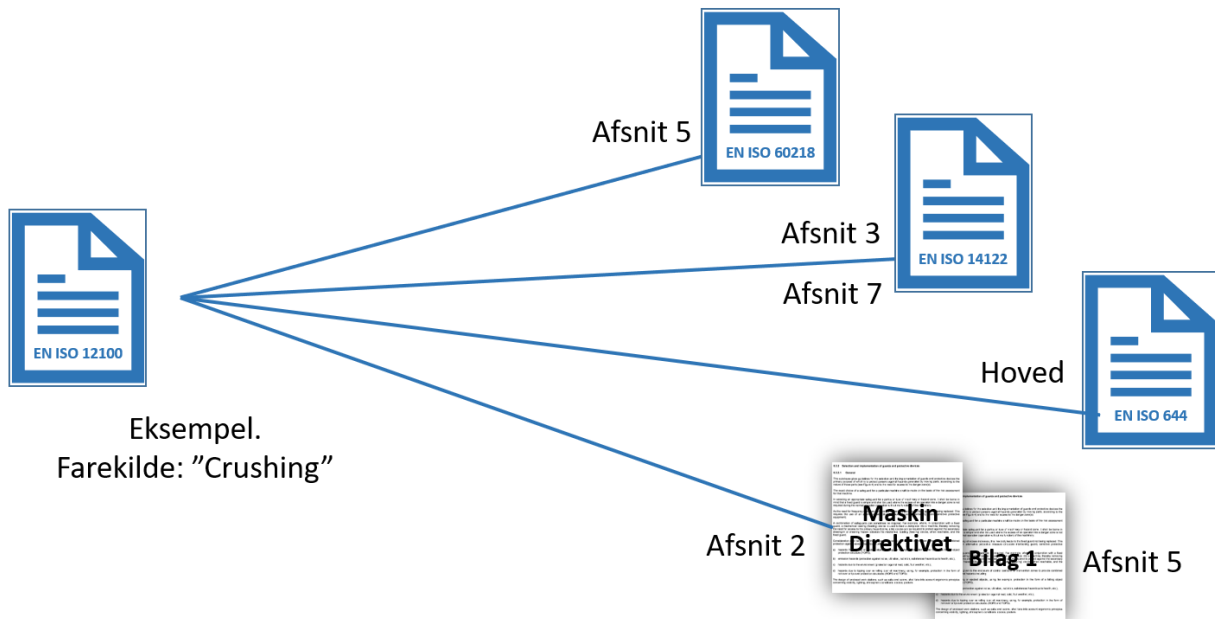
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Aktive standarder og direktiver

36 standarder er gjort aktive – indtil videre. De kommer med krydsreferencer og indbyggede bogmærker (jumpmarks). I den enkelte standard er det angivet hvilke farekilder i EN ISO 12100, der refereres til. Har man full-txt standarden, kan man desuden springe direkte til det angivne afsnit (jumpmark).

Maskindirektivet og Lavvoltsdirektivet er også indrettet med krydsreferencer og jumpmarks.

Man kan selv udarbejde krydsreferencer og ligge jumpmarks ind for de standarder man ønsker - eller betale for at få det gjort (Bowitek giver gerne tilbud).



Under risikovurderingen giver denne feature høj effektivitet, da man får serveret de standarder, som varetager en given farekilde. Desuden også hvilket afsnit farekilden er varetaget i. Man slipper simpelthen for at søge standarder igennem.

Hvis man køber full-txt standarder (typisk på engelsk) gennem Safexpert™ følger krydsreferencer og jumpmarks med i prisen for de standarder, hvor de i forvejen findes.

Hvis man ønsker at få lagt krydsreferencer og jumpmarks ind i specifikke standarder, hvor de ikke findes i forvejen, gøres dette gerne - efter tilbud fra Bowitek. Man kan altså selv gøre det.

Bilag: Liste over standarder med indbygget krydsreferencer og "jumpmarks".

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Standarder gennem Safexpert™

Man kan købe standarder gennem Safexpert™ i pakker eller som enkeltstyks:

- STANDARD Pakke 7 standarder 8.662 DKK engang / 1.200 DKK årligt
- PLUS Pakke 59 standarder 14.995 DKK en gang / 2.437 DKK årligt
- Enkelstykts (Se prisen på hver enkelt standard – eller bed om pris hos Bowitek)

Fordelene ved at erhverve og anvende standarder i Safexpert™ er, at:

- Standarder er væsentlig billigere at købe i pakker
- Det valgfrie årlige opdateringsabonnement dækker alle opdateringer til nye standarder. Man skal altså ikke købe den samme standard igen – i en nyere udgave
- Enkelstykts standarder er ofte billigere gennem Safexpert™
- 36 af standarderne har indbygget krydsreferencer og "jumpmarks" med i prisen
- Søgefaciliteten i Safexpert™ hjælper kraftigt med at finde relevante og dækkende standarder. Man slipper simpelthen for at læse standarderne i gennem, da søgningen kan foregå i alle standarder (bibliografiske data) uden at disse er erhvervet
- Alle virksomhedens standarder er samlet et sted (i værktøjet) og klar for alle brugere. Man kan nøjes med at anvende Standards_Manager i Safexpert™. Dermed kræves ikke fuld licens og man blokerer ikke for de medarbejdere, som udarbejder risikovurderinger
- Aktualiseringsfunktionen i Safexpert giver præcis besked om hvilke standarder der er under forandring og hvilke anvendte standarder der er udgået

Standards_Manager

Er som navnet siger et (mindre) modul til at administrere standarder. Det giver et godt overblik over firmaets standarder. Man kan søge, købe, opgradere og vedligeholde standarder i dette modul. Modulet er velegnet til medarbejdere som administrerer standarder og måske ikke laver risikovurderinger.

Standards_Manager kan erhverves som et (billigt) tillægsmodul. Det indgår dog i både Compact og Professional licenserne.

STANDARD pakke med standarder.

STANDARD Pakken indeholder nedenstående (7 stk) full-txt standarder. Pakken kan ikke ændres. Prisen til højre er per styk, hvis man blot ønsker at købe den enkelte standard – uden løbende opdatering.

Standard	Description	DKK
EN 349+A1:2008	Safety of machinery - Minimum gaps to avoid crushing of parts of the human body	521
EN 60204-1:2018	Safety of machinery - Electrical equipment of machines - Part 1: General requirements	2.400
EN ISO 12100:2010	Safety of machinery - General principles for design - Risk assessment and risk reduction (ISO 12100:2010)	1.500
EN ISO 13849-1:2015	Safety of machinery - Safety-related parts of control systems - Part 1: General principles for design	1.778
EN ISO 13850:2015	Safety of machinery - Emergency stop - Principles for design	683
EN ISO 13855:2010	Safety of machinery - Positioning of safeguards with respect to the approach speeds of parts of the human body (ISO 13855:2010)	1.091
EN ISO 13857:2008	Safety of machinery - Safety distances to prevent hazard zones being reached by upper and lower limbs	683

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PLUS pakke med standarder

PLUS pakken indeholder nedenstående (59) full-txt standarder. Pakken kan ikke ændres. Prisen til højre er per styk, hvis man blot ønsker at købe den enkelte standard uden løbende opdatering.

Standard	Description	DKK
EN 547-1+A1:2008	Safety of machinery - Human body measurements - Part 1: Principles for determining the dimensions required for openings for whole body access into machinery	589
EN 547-2+A1:2008	Safety of machinery - Human body measurements - Part 2: Principles for determining the dimensions required for access openings	795
EN 547-3+A1:2008	Safety of machinery - Human body measurements - Part 3: Anthropometric data	521
EN 574+A1:2008	Safety of machinery - Two-hand control devices - Functional aspects - Principles for design	889
EN 614-1+A1:2009	Safety of machinery - Ergonomic design principles - Part 1: Terminology and general principles	795
EN 614-2+A1:2008	Safety of machinery - Ergonomic design principles - Part 2: Interactions between the design of machinery and work tasks	889
EN 842+A1:2008	Safety of machinery - Visual danger signals - General requirements, design and testing	521
EN 894-1+A1:2008	Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 1: General principles for human interactions with displays and control actuators	795
EN 894-2+A1:2008	Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 2: Displays	795
EN 894-3+A1:2008	Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 3: Control actuators	977
EN 894-4:2010	Safety of machinery - Ergonomics requirements for the design of displays and control actuators - Part 3: Control actuators	1.091
EN 981+A1:2008	Safety of machinery - System of auditory and visual danger and information signals	589
EN 1005-1+A1:2008	Safety of machinery - Human physical performance - Part 1: Terms and definitions	589
EN 1005-2+A1:2008	Safety of machinery - Human physical performance - Part 2: Manual handling of machinery and component parts of machinery	795
EN 1005-3+A1:2008 Corr.	Safety of machinery - Human physical performance - Part 3: Recommended force limits for machinery operation	889
EN 1005-4+A1:2008	Safety of machinery - Human physical performance - Part 4: Evaluation of working postures and movements in relation to machinery	683
EN 1032+A1:2008	Mechanical vibration - Testing of mobile machinery in order to determine the vibration emission value	795
EN 1093-1:2008	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 1: Selection of test methods	521
EN 1093-2+A1:2008	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 2: Tracer gas method for the measurement of the emission rate of a given pollutant	589
EN 1093-3+A1:2008	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 3: Test bench method for the measurement of the emission rate of a given pollutant	589
EN 1093-4+A1:2008	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 4: Capture efficiency of an exhaust system - Tracer method	683
EN 1093-6+A1:2008	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 6: Separation efficiency by mass, ducted outlet	521
EN 1093-7+A1:2008	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 7: Separation efficiency by mass, ducted outlet	521
EN 1093-8+A1:2008	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 8: Pollutant concentration parameter, test bench method	521
EN 1093-9+A1:2008	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 9: Pollutant concentration parameter, room method	521
EN 1093-11+A1:2008	Safety of machinery - Evaluation of the emission of airborne hazardous substances - Part 11: Decontamination index	521
EN 1127-1:2019	Explosive atmospheres - Explosion prevention and protection - Part 1: Basic concepts and methodology	977
EN 1746:1998	Safety of machinery - Guidance for the drafting of the noise clauses of safety standards	521
EN 1837+A1:2009	Safety of machinery - Integral lighting of machines	589
EN 12198-1+A1:2008	Safety of machinery - Assessment and reduction of risks arising from radiation emitted by machinery - Part 1: General principles	795
EN 12198-2+A1:2008	Safety of machinery - Assessment and reduction of risks arising from radiation emitted by machinery - Part 2: Radiation emission measurement procedure	683
EN 12198-3+A1:2008	Safety of machinery - Assessment and reduction of risks arising from radiation emitted by machinery - Part 3: Reduction of radiation by attenuation or screening	589
EN 12786:2013	Safety of machinery - Requirements for the drafting of the vibration clauses of safety standards	683
EN 13861:2011	Safety of machinery - Guidance for the application of ergonomics standards in the design of machinery	977
EN 62061+A2:2015	Functional safety of safety-related electrical, electronic and programmable electronic control systems	2.537
EN ISO 4413:2010	Hydraulic fluid power - General rules and safety requirements for systems and their components	1.091
EN ISO 4414:2010	Pneumatic fluid power - General rules and safety requirements for systems and their components	977
EN ISO 7731:2008	Ergonomics - Danger signals for public and work areas - Auditory danger signals	795
EN ISO 1161+A1:2010	Safety of machinery - Integrated manufacturing systems - Basic requirements - Amendment 1	977
EN ISO 11553-1:2008	Safety of machinery - Laser processing machines - Part 1: General safety requirements	795
EN ISO 11553-3:2013	Safety of machinery - Laser processing machines - Part 3: Noise reduction and noise measurement methods for laser processing machines and hand-held processing devices and associated auxiliary equipment (accuracy grade 2)	683
EN ISO 13732-1:2008	Ergonomics of the thermal environment - Methods for the assessment of human responses to contact with surfaces - Part 1: Hot surfaces	1.091
EN ISO 13732-3:2008	Ergonomics of the thermal environment - Methods for the assessment of human responses to contact with surfaces - Part 3: Cold surfaces	889
EN ISO 13849-2:2012	Safety of machinery - Safety-related parts of control systems - Part 2: Validation	1.500
EN ISO 13856-1:2013	Safety of machinery - Pressure-sensitive protective devices - Part 1: General principles for design and testing of pressure-sensitive mats and pressure-sensitive floors	1.091
EN ISO 13856-2:2013	Safety of machinery - Pressure-sensitive protective devices - Part 2: General principles for design and testing of pressure-sensitive edges and pressure-sensitive bars	1.298
EN ISO 13856-3:2013	Safety of machinery - Pressure-sensitive protective devices - Part 3: General principles for design and testing of pressure-sensitive bumpers, plates, wires and similar devices	1.298
EN ISO 14118:2018	Safety of machinery - Prevention of unexpected start-up	683
EN ISO 14119:2013	Safety of machinery - Interlocking devices associated with guards - Principles for design and selection	1.298
EN ISO 14120:2015	Safety of machinery - Guards - General requirements for the design and construction of fixed and movable guards	1.159
EN ISO 14122-1:2016	Safety of machinery Permanent means of access to machinery - Part 1: Choice of fixed means of access between two levels	683
EN ISO 14122-2:2016	Safety of machinery Permanent means of access to machinery - Part 2: Working platforms and walkways	795
EN ISO 14122-3:2016	Safety of machinery Permanent means of access to machinery - Part 3: Stairs, stepladders and guard-rails	889
EN ISO 14122-4:2016	Safety of machinery - Permanent means of access to machinery - Part 4: Fixed ladders	1.159
EN ISO 14123-1:2015	Safety of machinery - Reduction of risks to health resulting from hazardous substances emitted by machinery - Part 1: Principles and specifications for machinery manufacturers	683
EN ISO 14123-2:2015	Safety of machinery - Reduction of risks to health resulting from hazardous substances emitted by machinery - Part 2: Methodology leading to verification procedures	589
EN ISO 14159:2008	Safety of machinery - Hygiene requirements for the design of machinery	889
EN ISO 14738:2008	Safety of machinery - Anthropometric requirements for the design of workstations at machinery	889
EN ISO 19353:2019	Safety of machinery - Fire prevention and fire protection	1.298