



Standards met by our fall protection system X-Rail

To ensure staff safety, fall protection is often needed in various industries. But it may sometimes be hard to know all the regulations and laws that apply to your business. Here is some information on the standards that X-Rail fulfils.

Depending on the industry you are working in, the requirements for having a fall protection installed differ. Some businesses require protection from the floor level while others are more generous. A simple rule is that if your employees work at a height of more than a meter above a level below, you need some form of fall protection. Especially if they are working above equipment or substances that may be harmful or if they could lose grip and fall. If a fall accident should occur, it could be fatal.

In any industry, the staff's safety always needs to be the main concern and top priority. By installing a correct and certified system from the very beginning, you are not only protecting your employees, you are also saving money by preventing accidents and downtime of damaged machinery. Make sure that you always consult a safety expert and do research to prevent injury to your personnel and violation of safety rules.

With a combination of panels and posts, handrails, kneerails, and kick plates the X-Rail system prevents accidents and safely protects employees and visitors from the risk of falling. According to the regulations, one 10 cm kick plate and a handrail and a kneerail are always required (kneerail is not needed if you install a mesh or other closed panel). Our fall protection is certified to be installed either directly onto concrete floor or bolted to the steel mezzanine I-beams of the mezzanine structure. The system has been fully tested to the standards applicable in the relevant markets. This will give you peace of mind knowing that you can save both time and money and ultimately have a much better solution meeting your requirements. The system has been evaluated by both simulation and actual physical testing. This ensures that the system is fully compliant in all areas it will be installed.

Below, find a list of standards fulfilled by X-Rail. These are all standards for fall protection and guard railing systems, which ensure that regulations and requirements are met.



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DIN EN ISO 14122-3:2016

This part of ISO 14122 contains requirements for non-powered stairs, stepladders and guard-rails which are part of stationary machinery and of non-powered adjustable parts and movable parts of fixed means of access. The ISO 14122 series as a whole is applicable to both stationary and mobile machinery where fixed means of access are necessary.

BS 6180:2011

This British standard applicable in the UK provides guidance and the latest recommendations for the construction of barriers in and around buildings. BS 6180 is a standard that will guide the manufacturing company through the process of designing and constructing barriers, including measuring safety, reinforcing structures and testing corrosive or flammable qualities.

BS 6180:2011 provides comprehensive benchmarks for the structure, design, height and strength of the barriers, including recommendations about all the materials used. It applies to both temporary and permanent barriers designed to protect people from hazards, restrict access or control vehicle traffic. This standard describes the requirements for protective, crash and crush barriers as well as those that impose a speed limit of up to 16 km/h.

AS 1657:2018

This Australian standard sets the requirements for the design, construction and installation of fixed platforms, walkways, stairways, and ladders that are intended to provide safe access to places used by operating, inspection, maintenance and service personnel. It also applies to movable platforms that are permanently configured, permanently

installed roof access, and permanently installed access for inspection and maintenance of the roof itself. The standard also provides information on recommended component dimensions and materials for edge protection.

OSHA 1910.29

This American occupational safety and health standard for fall protection systems and falling object protection-criteria and practices ensures that the system meets the comprehensive requirements regarding for example design, heights, installation, materials and strength of the posts, guardrails, anchoring and safety nets.