

PRESS INFORMATION

Next generation of EcoSafe from Bosch Rexroth sets new standards for modular safety fences and enclosures

Jennifer Fanning | 05/28/2025 | USA | AT25001

Easily assembled, cost-efficient panels now bear higher loads thanks to a new profile design

Bosch Rexroth has enhanced the EcoSafe portfolio of modular components for protective fences and enclosures, thus optimizing cost-effectiveness, flexibility and equipment safety. Complementary frame profiles, quick-to-assemble direct panels and connectors reduce the assembly work involved so that new installations, conversion projects and extensions can be carried out quicker. The free MTpro engineering software speeds up planning with numerous design aids, automatically generated parts lists. Variable production requires safety guarding in the production environment that can be put in place and altered quickly. The next generation of EcoSafe protective guarding from Bosch Rexroth meets these requirements. As well as maintaining its compatibility with the original EcoSafe system and structures made from Bosch Rexroth's modular aluminum profile system. A slim, yet stable, 22.5 x 45 mm aluminum frame profile serves as the new base component, and the foundation of the new EcoSafe system. **Quick installation with prefabricated panels** With the new frame profile, assembly teams can progress quickly, particularly when assembling linear safety fences. The next generation EcoSafe portfolio includes not only suspended panels but also "direct panels" that facilitate rapid assembly. Two adjacent direct panels are connected at the bottom using the new universal foot and at the top with a robust fixing cap, secured with just a few screws. The new universal foot can accommodate two safety frame profiles (22.5 x 45 mm) or a standard profile (45 x 45 mm) and is anchored to the floor using two bolts, reducing the amount of required drilled holes. This innovation reduces installation time by approximately 40 percent. For non-linear arrangements, the base features a hinge function that allows for adjustable angles between the protective grilles. **Quick planning and digital engineering** With Bosch Rexroth's free MTpro engineering software and the MTpro Online Designer, safety fences and other safety systems can be planned, calculated, and documented in just a few steps. The software facilitates automatic generation of order lists, easy exchange or printing of layout data, and direct transfer to the Rexroth Online Shop or partner companies, all of which contribute to significant time savings during the design process. Learn more about EcoSafe at www.boschrexroth-us.com/ecosafe



With the EcoSafe material for guard designs from Bosch Rexroth, safety fences provides protection from all sides quicker and with more flexibility

Basic Information Bosch Rexroth

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As one of the world's leading suppliers of drive and control technologies, Bosch Rexroth ensures efficient, powerful and safe movement in machines and systems of any size. The company bundles global application experience in the market segments of Mobile and Industrial Applications as well as Factory Automation. With its intelligent components, customized system solutions, engineering and services, Bosch Rexroth is creating the necessary environment for fully connected applications. Bosch Rexroth offers its customers hydraulics, electric drive and control technology, gear technology and linear motion and assembly technology, including software and interfaces to the Internet of Things. With locations in over 80 countries, around 32,600 associates generated sales revenue of 6.5 billion euros in 2024.

Basic Information Bosch

The Bosch Group is a leading global supplier of technology and services. It employs roughly 417,900 associates worldwide (as of December 31, 2024). According to preliminary figures, the company generated sales of 90.5 billion euros in 2024. Its operations are divided into four business sectors: Mobility, Industrial Technology, Consumer Goods, and Energy and Building Technology. With its business activities, the company aims to use technology to help shape universal trends such as automation, electrification, digitalization, connectivity, and an orientation to sustainability. In this context, Bosch's broad diversification across regions and industries strengthens its innovativeness and robustness. Bosch uses its proven expertise in sensor technology, software, and services to offer customers cross-domain solutions from a single source. It also applies its expertise in connectivity and artificial intelligence in order to develop and manufacture user-friendly, sustainable products. With technology that is "Invented for life," Bosch wants to help improve quality of life and conserve natural resources. The Bosch Group comprises Robert Bosch GmbH and its roughly 470 subsidiary and regional companies in over 60 countries. Including sales and service partners, Bosch's global manufacturing, engineering, and sales network covers nearly every country in the world. Bosch's innovative strength is key to the company's further development. At 136 locations across the globe, Bosch employs some 86,900 associates in research and development, of which nearly 48,000 are software engineers.

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