



Prolec PME Rail

Road-Rail Excavator Load and Envelope Control



Basic Capability:

Safeguard your rail operations with Prolec PME Rail.

PME Rail covers a family of products designed for protecting road-rail excavators operating on and near railway lines. PME Rail may be fitted as either a High Performance or Low Performance safety system according to the site requirements.

Suitable For:

- ▶ All excavators (monoboom or TAB)
- ▶ Single or tandem lifting operations
- ▶ Working ALO or in possession
- ▶ Switchable between High and Low Performance modes by the supervisor

Why choose PME?

- ▶ Protects operators
- ▶ Simple to use
- ▶ Cost-effective
- ▶ Trusted worldwide
- ▶ Data logging standard

Data Logging is standard on all PME systems. Together establishing a working environment that is not only efficient but, more importantly, safe.



PME Rail

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Standard Features:

- ▶ Optimised real time lifting safety throughout the range
- ▶ Backwards and sectorised stability
- ▶ Cant detection and multiple duties
- ▶ Tandem lifting control mode
- ▶ W6a gauge monitoring
- ▶ On-screen and printed load charts
- ▶ Online lift planner
- ▶ High Integrity virtual wall and control up to pre-set slew limit
- ▶ Tool-point speed reduction for ALO working to 2 m/s and 1 m/s
- ▶ Slew system utilises high-reliability absolute shaft encoder with measurement checking
- ▶ Full traceability and logging for audit purposes (**4GB capacity approx 6 months' usage**)



Configurable Features:

- ▶ Multiple extra inputs available (e.g. axle-lock, bogie position) as required
- ▶ Tandem lifting option prevents overload between machines
- ▶ Languages: multiple as required
- ▶ Single display showing all functions at a glance
- ▶ Hazard states displayed: safe; warning; overload
- ▶ EN13849-1:2015 Performance level C or D as required

Standards and Specifications:

- ▶ Complies with the "Supply of Machinery (Safety)" Regulations 2008
- ▶ Compliant to RIS-1530-PLT Issue 7; EN15746-1:2020; EN15746-2:2020
- ▶ Compliant to appropriate requirements of EN474-1:2022, EN474-5:2022, EN13000:2010+A1:2014; EN12077-2:1998+A1:2008
- ▶ PME Rail (standard) EN13849-1:2015 PLc
PME Rail (ultra) EN13849-1:2015 PLd
- ▶ Complies with LOLER requirements for UK lifting

- ▶ **Height and Slew Limiters:**
These precision-engineered systems are designed to empower operators with the ability to manage complex tasks with unmatched accuracy, ensuring safety and boosting overall efficiency.
- ▶ **Trusted OEM Supplier:** our reputation extends to being a trusted supplier to multiple OEMs and rail converters, reinforcing our standing as a reliable industry partner. These partnerships underscore our expertise and the quality of our solutions, making us a preferred choice in the field.