



Demolition Pro

Demolition stability monitor



James Fisher Prolec's working range indicator enables operators to increase functionality without compromising safety, allowing smaller machines to be used, reducing operating and transportation costs.

James Fisher Prolec's solution for the high-reach demolition market, Demolition Pro is ideal for superior demolition safety and constantly monitors the machine across all planes providing real-time indication of the precise position of the demolition tool. The system will indicate safe zones of the machine ensuring operators can fully utilise the machine's capacity, working safely to the limits of the machine. The system also continually calculates the distance between the demolition tool and the cab to ensure that falling debris doesn't strike the cab.

The system provides a "warn-only" function due to the requirements for maintaining machine functionality during demolition operations.

Benefits of Demolition Pro

- Multiple boom layouts can be stored
- Backward stability function
- "Drop zone" warning function
- Multiple tools stored with corresponding envelope
- Upgradeable to include other safety functions or guidance
- Pitch and roll sensor to compensate for lack of verticality of tool
- Fully sealed capacitive touch buttons
- Indicator for safe movement displayed at limits
- Real-time display of stability in 2D working envelope
- "Drope zone" indicator to prevent collisions with falling debris
- Configure different tools according to need
- Supports multiple languages
- Configurable machine graphic visualisation
- Auto zoom feature

Standards features

- Fully featured stability system including optional monitoring overload on boom pressure
- Fully compliant with design principles including traceability and SIL levels
- Data logging capability stores millions of event records for analysis and review
- Warns the operator of approach to or exceeding a predefined operational envelope limit



Options

- External alarm upon approach to safe working range
- External beacon to provide indication of system state (on/off)

Standards and Tests

- Complies with H&S requirements on the machinery directive EN2006/42/EC
- Designed to meet EN474; BS7262;EN10567; EN13000:2010; EN13844;EN12077; EN62061; EN60204:2006
- Complies with LOLER requirements for UK lifting EMC conformity: EN13309:2010; EN50121-3:2006
- System (exc. display) tested to IP69k
- Display tested to IP65

Technical specification

- Display daylight viewable (650cd/m2)
- Input voltage 10-32V
- Typical Power requirements as installed
System off: 2mA; 10V
System on: 1A; 32V system: 500mA (power requirements may vary dependant on hardware configuration)
- Operating temperature range -20 C to 65 C
- Touch button input on display
- CAN communications protocol
- Industry standard M12 connectors
- USB input for data transfer

