

EX HAWKE TRANSIT SYSTEM

An explosive atmosphere is defined as a mixture of dangerous substances with air, under atmospheric conditions, in the form of gases, vapours, mist or dust in which, after ignition has occurred, an explosion could take place.

Many industries may have activities that produce explosive or potentially explosive atmospheres, such as:

- ◆ Chemical plants
- ◆ Refineries and petrochemical plants
- ◆ Offshore platforms
- ◆ Mines
- ◆ Paint shops
- ◆ Waste recycling plants
- ◆ Wood transformation workshops
- ◆ Food industry and flour mills

Different international regulations were created to avoid or minimize the risks of an explosion, like International

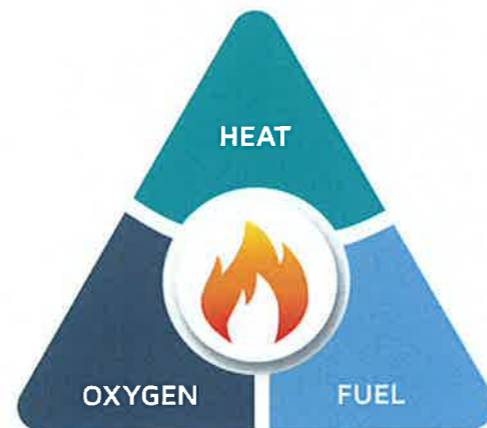


IECEx directive, European **ATEX Workplace Directive** (Directive 99/92/EC) or European **ATEX Equipment Directive** (Directive 94/9/EC), which implies all devices installed in a potential hazardous area.

These hazardous areas are classified according to the degree of risk of an explosion taking place, identifying if the risk comes from a flammable gas mixture or from dust.

Formation of ATEX	Duration of ATEX	Type of substances forming the ATEX	
		Gas, vapour or mist (Type I)	Flammable dust cloud (Type II)
Constant or very frequent	Prolonged time	Zone 0	Zone 20
Occasional	Occasional	Zone 1	Zone 21
Not probable	Short period of time	Zone 2	Zone 22

In every company, the plant manager is responsible for evaluating the risks present at the site, and the implementation of the appropriate equipment in each zone identified.



Hawke Transit System Ex products are design to be used as a cable penetration seal in Exe / Ex tb enclosures, motors, junction boxes, etc.

Hawke HF tolerant blocks are designed to accommodate cables/pipes passing through the frame.

Our special design incorporates five contact points which allows the blocks to accommodate a range of different diameters and accept variances in cable/pipe diameter. Each block that a sealing range of 3-4mm without the need for any onsite modifications.

Also, Hawke's colour-coding system makes installation easier, faster and allows a visual inspection of the transit when complete, in order to guarantee safety in hazardous areas.

HTS combination of frames, blocks and accessories are certified according to ATEX and IECEx standards.

This includes rectangular and round marine and civil installations in standard HF version, but also guaranteeing EMI protection with HTS EMC Ex systems.

REF

- ◆ Marine rectangular frames16
- ◆ Civil rectangular frames38
- ◆ Round transits50
- ◆ Blocks68
- ◆ Accessories76

All HTS Ex products are identified with Ex labels. For more information about HTS Ex products, please contact sales department.