

Senflow Systems

Lone worker alarm systems



A fast response to a potentially life threatening situation is undoubtedly a crucial factor in maximising the chances of survival and minimising any lasting injury. Lone worker alarm systems, manufactured by Senflow Systems UK Ltd, have been playing a key role in reducing this time for over 20 years.

A 'lone worker' is an individual who works out of direct contact with someone who would normally come to their assistance in the event of an incident which might jeopardise their safety.

The lone worker alarm system is designed primarily to ensure that assistance is called rapidly even if they become totally incapacitated. The systems are now often also being used to protect two man working teams. In these circumstances, the system enables a co-worker to summon help instantly without leaving the potentially injured worker, allowing them to provide first aid without delay, isolate

equipment or alleviate the danger in any other way.

With the advent of more stringent health and safety laws, Senflow Systems has experienced an increasing awareness of a need for these systems in the industrial and commercial sectors. Senflow has developed and deployed systems to be used on ships, in Antarctica, blast furnaces, freezers, military bases, hospitals, tunnels, research laboratories and all manner of manufacturing plants. Each part of the system is a building block on which more extensive systems can be built. Lone worker alarms can be as simple as a transmitter to pager combination to more complex systems incorporating individual identification, location, paging and offsite communications.

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Hardlock nuts

A simple vibration-proof fastening

Are you looking for a simple, permanent solution to vibration and loosening of metal fasteners?

Hardlock nuts have been approved by Network Rail for use on many applications linked to points and signalling.

Acceptances PA05/867
& PA05/866

Others are listed below.

- Hardlock nuts are simple to install, requiring only a spanner for installation.
- they are highly effective against loosening

caused by high and low vibration and transmitted shock.

- they are completely reuseable and their locking abilities do not diminish with use.
- they do not require specific inspection or maintenance to retain their abilities.

After an intense programme of evaluation, Network Rail approved the mandatory use of Hardlock nuts (metric M30 size) on adjustable stretcher bars. Cert PA05/02077

This is in addition to specific approvals for 1-1/4BSW Hardlock and 1-1/4BSW Hardlock sleeve nuts which are installed on primary & supplementary drive connectors.

Certs PA05/485 & PA05/865

Their greatest use has been in Japan on railway rolling stock, permanent way, and all aspects of track installation for over three decades. Companies continue to benefit from the improved safety function and ongoing savings of lower maintenance

and inspection criteria resulting from fitting Hardlock nuts, for many years afterwards.

In 1983 one of the first UK companies for which Hardlock provided a solution was Plasser Thuerer, where it was installed (with British Railway approval), to resolve a persistent loosening due to 'in line shock loads and severe vibration' on hydraulic pistons used on track ballast tamping machines. For almost 25 years, Hardlock has reduced costs and enhanced reliability for Plasser Thuerer products.

In 2006, M12 Hardlock was specified for use on GSMR Towers to ensure that safety and reliability were maintained for the future.

For a simple solution to vibration and loosening of metal fasteners, further details, and samples of the Hardlock nut contact Staytite Ltd.

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