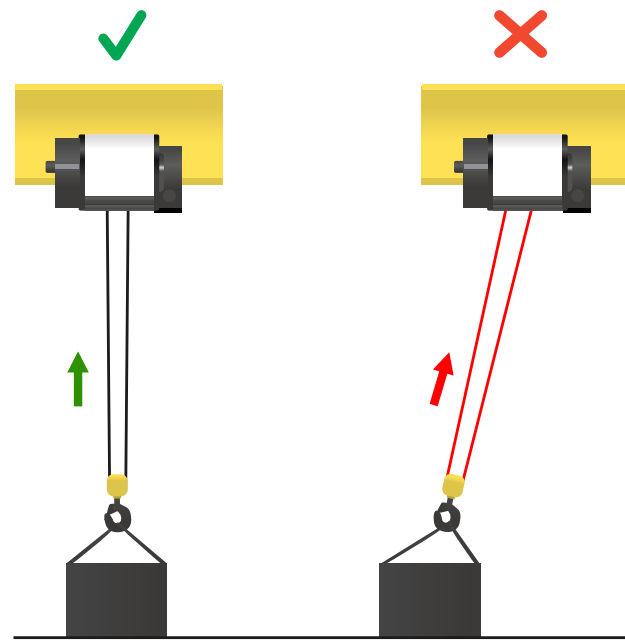


SIDE PULL PREVENTION

The dangers of side pulling

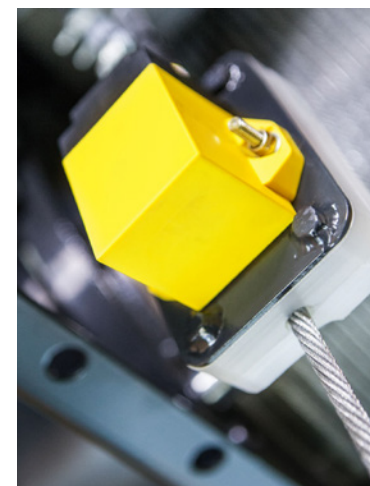


What is side pulling?

In normal operation, overhead crane hoists are designed to lift an object vertically. A side pull is when a portion of the hoist acts horizontally, such as when the hoist lifts an object that has not been placed directly underneath it.

What happens when you side pull during a lift?

When you perform a side pulling action on a crane, you are pushing it past its mechanical limitations. The extreme amount of stress on the crane can cause damage to the crane and load, and possible injury to personnel.



How do you prevent side pull?

Konecranes Side Pull Prevention has been designed to stop hoisting motion when side pulling is detected. An inclinometer measures rope angle during load lifting. If the angle goes over four degrees, the system stops hoisting, sounds a horn and gives a light signal. When the rope angle is back to less than 4 degrees, hoisting continues normally. The Side Pull Prevention kit can be retrofitted to various crane types.

