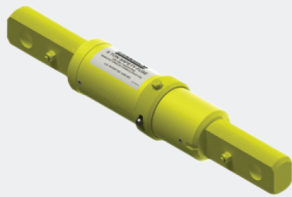
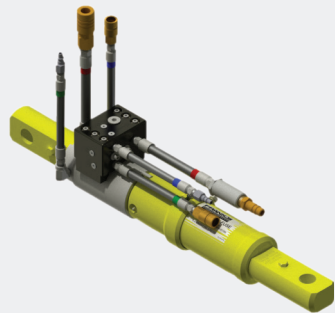


Inline Safety Fuse™

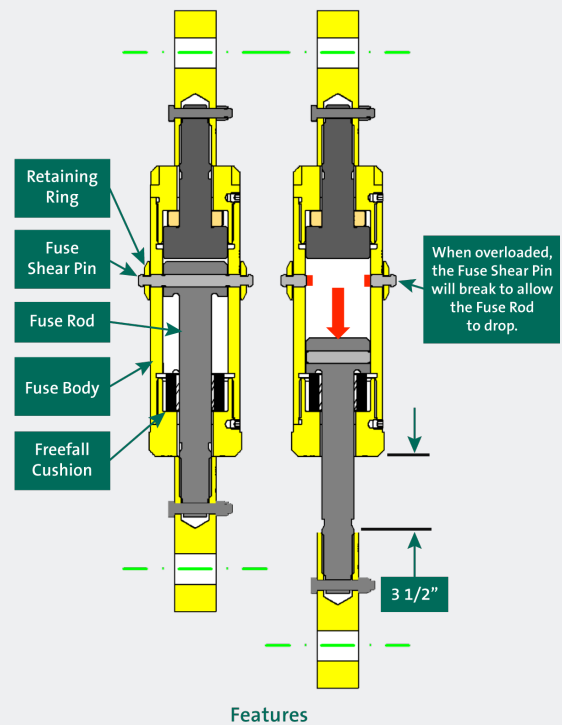
For use with Auxiliary Elevators



Standard Model



Pneumatic Model



Features

Use in the following applications: **Deepwater and ultra-deepwater** | **Mid-water shelf** | **Land**

As part of our commitment to provide a safe work environment, Frank's International has developed the Inline Safety Fuse™. The purpose of the safety fuse is to prevent failure of auxiliary elevator and rigging, and maintain control of the single joints or stands during an overpull situation by providing personnel with an indication of overload so that they have the opportunity to halt hoisting operations.

For years, the typical rig-up of an auxiliary elevator has included an inline swivel that allows the joint to spin freely during make-up or break-out. During breakout operations, it is possible for the pin and box threads to hang up as the driller is hoisting the joint upwards, often resulting in an overload of the elevator and associated rigging. This is especially a problem with negative load flank threads, commonly found on premium connections. Often times this overloading will result in a failure of the inline swivel or rigging, causing the driller to lose control of the joint.

Frank's safety fuse functions as a conventional swivel that serves as a known "weak link" in the auxiliary elevator rigging assembly that shears at a predetermined load.

Once an overload has occurred, the shear pin "weak link" will fail, allowing the telescoping rod of the safety fuse to extend without a complete separation of the auxiliary elevator rigging. This brief instant provided by the safety fuse extension allows hoisting operations to be stopped in order to maintain control of the joint or stand, and personnel to clear the rig floor. After the shear has occurred, the telescoping rod has a contrasting color that serves as a clear indicator that the system has been overloaded. After an overload occurs, the fuse assembly, auxiliary elevator and associated rigging are visually inspected and a new shear pin is installed before the pipe running operations are continued.

Specifications

Model	(SWL) Rating
Standard	5 Short Tons
	10 Short Tons
	15 Short Tons
	25 Short Tons
Pneumatic	5 Short Tons
	7 1/2 Short Tons
	10 Short Tons