

Emergency Release Device

This device is available on the **main hoist**, **auxiliary hoist** or both. The **Emergency Release Device (ERD)** is a manually-activated device to prevent crane or structure damage in case the load is caught on a supply vessel.

Upon activating the (**ERD**), a 500-psi pilot signal is applied. Application of this signal will then energize the **release device**. This operation is completely independent of the position of the **hoist control lever**.

The **release device** accomplishes this goal by simultaneously releasing the **static parking brake** and connecting the work ports of the **hydraulic motor** together.

These actions will allow the **drum** to rotate freely and pay out the cable. If all cable is removed from the **drum**, the **wire rope** will pull out of the end anchors and free the crane, which prevents major damage.

The **back tension** in the **hoist line** during this operation is approximately 1.5 tons. This tension is caused by friction in the **gear train** and resistance to flow or pressure drop through the device.



Manually-Operated Panic Button

*NOTE: Resetting the (ERD) at any time will immediately reset the **hoist brake** and return the **hoist** to normal operations.*