



Product Update

SER 16-004

Proper use of a Hoist with a two Parted Primary Suspension Line February 03, 2016

PURPOSE

Clarification of how to properly use Personal Fall Protection Anchorage when using a Two Parted Primary Suspension Line and Single Secondary Suspension Line.

COMPLIANCE CATEGORY

Safety

Failure to comply with this product update could result in personal injury. Compliance is mandated within a specific operating time.

Compliance Required

Identifies the need for action to correct a condition that, if left uncorrected, may result in reduced equipment reliability or efficiency. Compliance may be required within a specific operating time.

Optional

Identifies changes that may be beneficial to some, but not necessarily all. Accomplishment at customers discretion.

Notification

Customer communication, no action required.

PRIORITY CODE

1

Prior to unit startup or prior to continued operation (Immediate Action Required)

2

At first opportunity (Prior to Next Scheduled Maintenance Interval)

3

Next Scheduled Maintenance Interval

4

Optional / Notification

PRODUCT MODELS AFFECTED

SC1000/1500

SC30

SC40

Zmac

Astro

ST-17

ST-19

ST-26

ST-180

Platforms

BAP

TAP

Other:

Hoist Accessories

Platform Accessories

Rigging Accessories

Safety Accessories

COMPONENT SYSTEM

Electrical

Mechanical

Safety

Other:

SUB COMPONENT

Secondary Suspension Wire Rope Assembly

ACTION REQUIRED

When two parting the hoist primary suspension line to double the lifting capacity of the hoist, it is **not acceptable** to use a single secondary suspension line through the secondary line safety brake, and it is **not acceptable** to tie off to the platform for Personal Fall Protection Anchorage.

This setup results in a case where if the primary suspension line were to fail on the hoist and you have a 1500 lb hoist lifting 3000 lbs, the secondary suspension line and hoist safety would be trying to arrest a load which the safety was not designed. The impact forces this could pose may be above the termination strength of the wire rope depending on the construction.

Therefore it is **not acceptable** to use a hoist equipped with a secondary suspension line when two parting the primary suspension line. Personal Fall Protection Anchorage **must be** independent of the platform via use of an independent lifeline or other means.

ACCOMPANYING DOCUMENTS

NONE