

Long link chain used in entertainment rigging

Quick reference guide

For the purposes of this guidance sheet, long linkchain is defined as:

- Grade 80 alloy steel chain with link diameter of approximately 13mm and a pitch of 96mm
- Chain having in relation to the marked WLL a factor of safety against failure of at least 4
- Chain having a declaration of conformity and bearing the manufacturer's mark

(The full guidance document can be found at www.plasa.org/technical)

Long link chain may be used in the following entertainment rigging situations in accordance with the manufacturer's instructions:

- Providing adjustment in bridle legs used 'above the hook' (i.e. supporting the hoist)
- As a means of making secondary suspensions taut
- Providing adjustment in other rigging assemblies

Long link chain must be used:

- 'In-line' only and not passed around any object, never as a sling
- Without twisting any links
- Without side loading or stretching any link
- Without trapping 'dead' links under shackles or hooks

Long link chain should only be used below a lifting machine as directed by a competent person.

Thorough Examination and pre-use checks

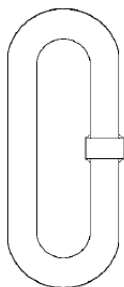
Each chain should be thoroughly examined as an 'accessory for lifting' in accordance with Regulation 9 of the LOLER Regulations 1998. Each chain length must be identifiable and bear the manufacturer's mark.

Long link chain that has been subjected to shock loading beyond that expected in normal lifting should be taken out of service and thoroughly examined by a competent person before being used again. Each link should be checked by a competent person for bending, twisting, stretching, reduction in diameter and corrosion.

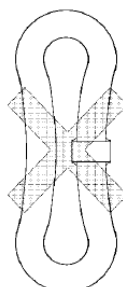
Pre-use Inspection

Each chain should be visually inspected prior to use to check that it is not damaged and that it has been thoroughly examined in accordance with the LOLER Regulations 1998.

Each chain length must be identifiable and have a marked Working Load Limit.



Correct shape of link.



Narrowing of link indicates stretch due to overload. Withdraw from service.

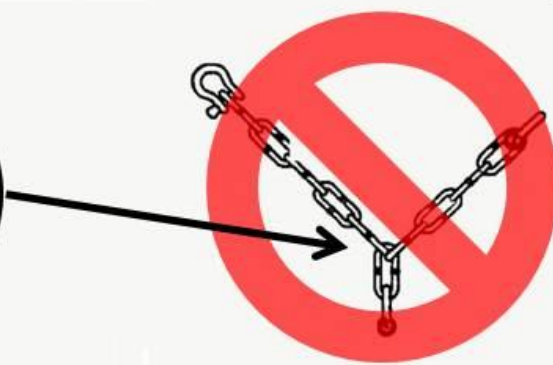
Produced by:



SAFE USE OF LONG LINK CHAIN IN ENTERTAINMENT RIGGING

Do not trap 'dead' links under shackles

Keep links straight



Do not use a link as the root of a bridle, use a shackle to bridge



Never use long link chain in basket or choke hitches

