

External Safety Alert – Unsafe Rigging Practice

Alert No: 0000-040-140.01 C&C-ALT 31

Date of Distribution: 23/08/2022

Description

An unapproved rigging method outlined below, has started to become more commonplace in the construction industry. This is due to its publication and sharing on TikTok; a social media platform. This method is not recognised by rigging guides (e.g., Rigging Guide 1995), chain standards (e.g., AS3775.1 2014), or lifting / chain supplier publications.



Figure 1- Unsafe rigging practice identified in the industry (Not an ACCIONA workplace)

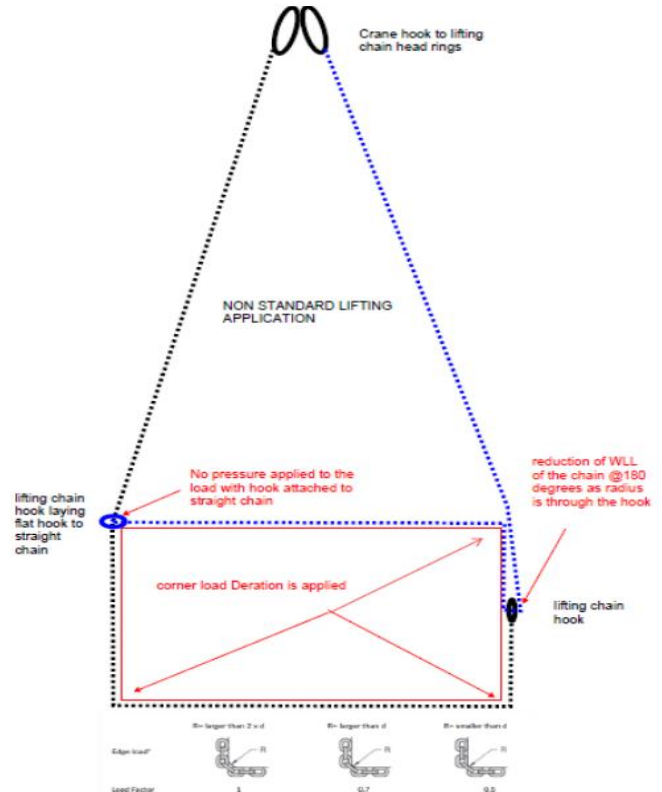


Figure 2- Diagram of unsafe rigging practice

Risks associated with Unsafe Rigging Practice

- This rigging application has an increased risk of failure, as it results in insufficient load security, load de-rating around square edges, and an increased likelihood for the chain to slide and drop the load.

Standard Rigging and Sling Practices

- Site Supervisor/Engineers overseeing lifting activities, should be familiar with standard rigging techniques and equipment.
- Lifting plans should be developed for lifting activities, which identifies the applicable standards and safe rigging technique/equipment to be utilised.
- Site Supervisor/Engineers overseeing lifting activities should stop works immediately if unsafe conditions or lifting techniques are identified.
- Lifting practices seen on social media (e.g., Facebook, Instagram, TikTok, Youtube), should not be utilised, unless they align with standard or engineered rigging techniques
- **This type of rigging practice is not to be used for any lifting activities within ACCIONA**

STANDARD rigging and sling practices:

Working Load Limits (tonnes) - Alloy Chain Slings, Single & Multi Leg Assemblies

Loading Factors		1.00	0.75	0.75	1.30	1.73	1.41	1.00	1.30	
Grade	Chain size (mm)	Straight sling or adjustable sling with no deration		Adjustable sling with deration (Note 1)	Reeved sling	Basket sling Max 60°	Straight sling (Note 2)		Reeved sling (Notes 2 and 3)	
							60°	90°	120°	Max angle 60°

Grade T (80)

Chain Size 10 mm

Date / /

WLL in Tonnes

3.2 2.4

General use Application

No. of Legs

WLL in Tonnes

at

5.5 60° 4.1

4.5 90° 3.4

ID.

Figure 3– Standard rigging practice diagrams

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This Alert is to be communicated to all personnel via toolbox talk discussion and posted on all available workplace notice boards.