

Lessons Learned

Date: 7/25/2022

Region: SEATTLE

Project: STEM 4

Incident Title: GRIPPLE SYSTEM

Summary

Apollo Foreman had installed the Gripple Spider System (please see photo to the right) on an upper deck per the manufacturer's recommendations. The System uses an insert, which is poured into the concrete, and a swivel toggle hanger which is put in the insert.

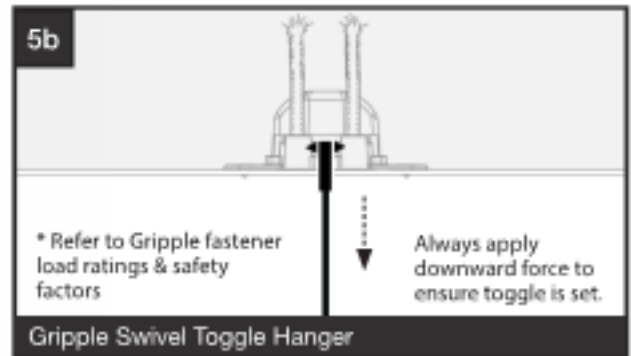
The manufacturer's Recommendations state, "Do not use for lifting, such as in a crane or pulley situation, or for hanging services exhibiting movement or dynamic behavior."

The foremen attached a chain hoist (please see photo to the right) to the Spider Toggle hanger on the underside of the deck above their location. They were using the chain hoist to lift and rotate a pipe.

As the foremen was lifting the pipe, the swivel hanger disconnected from the insert, and the chain hoist fell.

No one was injured.

Picture



What Went Right?

- Worker was not standing under the live load
- Worker followed proper incident reporting process

What Went Wrong?

- Manufacturer's Recommendation not followed
- New product wasn't assessed for application

Lessons Learned

- New products must be viewed by Superintendent for applicability, and safety
- When ordering a new product, Superintendent must be alerted as soon as possible
- Field workers are not to use products unless they have reviewed the manufacturer's instructions
- Never stand under a live load
- The Gripple Spider System is to be used with static loads only