

FIXATION SYSTEM FOR HYDRAULIC JACKING SYSTEM

ABSTRACT

A self-elevating platform comprises a deck structure, a plurality of legs, a plurality of footings, and a jacking system, wherein the plurality of legs pass through the deck structure and are supported by the plurality of footings; and wherein the jacking system comprises a jackcase structure with a first locking pin, a jacking yoke with a second locking pin, a plurality of jacking cylinders with a first end and second end, where the first end of the jacking cylinders is supported by the jackcase structure, and the second end of the jacking cylinders by the jacking yoke; and a fixation system comprising a plurality of tension rods, wherein each tension rod has a first end and a second end, and wherein the first end of the tension rods is securely coupled with the jacking yoke, and the second end of the tension rods is securely coupled with the deck structure; thereby when the plurality of tension rods secures the jacking yoke to the deck structure, the load can be removed from the hydraulic cylinders and transferred to the fixation system.

Figure 3