

# NZ Safety Alert

30 September 2022

Let's work together to keep ourselves and our workers safe.

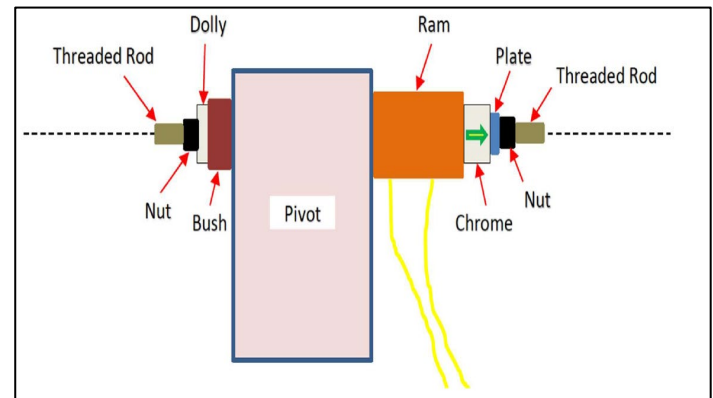
## Threaded rod failed on cap press

A hydraulic porta pack was being used to pull a strut pin bush into position on a dump truck, deck pivot.

This is completed by inserting a threaded rod of about 25mm diameter and 600mm long through the bush with nuts securing it at each end (see diagram).

During the task, the rod has failed adjacent to one of the nuts and the rod has been propelled across the workshop - about 5m distance and 3m above floor level.

The rod has penetrated the cab window of a drill rig parked adjacent and came to rest on the operator's seat.



### You need to ensure that:

1. The correct tools and equipment are used when conducting any maintenance task.
2. No-one is in the "firing zone" of work involving equipment under hydraulic or other extreme pressure.
3. When routine tasks change, or equipment is not available, a suitable risk assessment is conducted to identify and manage hazards and risks.

[MinEx data](#) on incidents with the potential to cause harm over the 5 years to June 2022 show 5% (244) of all incidents result from pressure release, of which 87 involved hydraulic pressure release.

Know of an incident or near miss? Please share the learnings with us.