

Safety Alert

Pinch Point Issues with Boar Bolters

This Safety Alert has been issued to inform Owners & End Users of the Alfabs QDS Bolter the possible risk of injury due to non OEM repairs and drilling offsidiers failing to follow training recommendations and becoming crushed or pinched in identified pinch points.

Event

Possible Pinch points have been raised following the inspection of one of the QDS Boar Bolters. The Possible Pinch points have been raised during the operation of the equipment.

The Possible pinch points are:

Item 1 - Bottom of HFX Frame touching on Man Basket Floor.

This pinch point could occur on all Boar bolters that have had the bolting rig fitted incorrectly during Non OEM repairs.

Joy bolting rigs have a series of evenly spaced mounting holes on the underside of the rig.

The Boar Rig support plate has matching evenly spaced hole centres and it is possible for the rig to be mounted incorrectly creating a pinch point between the back of the rig and the bolting platform.

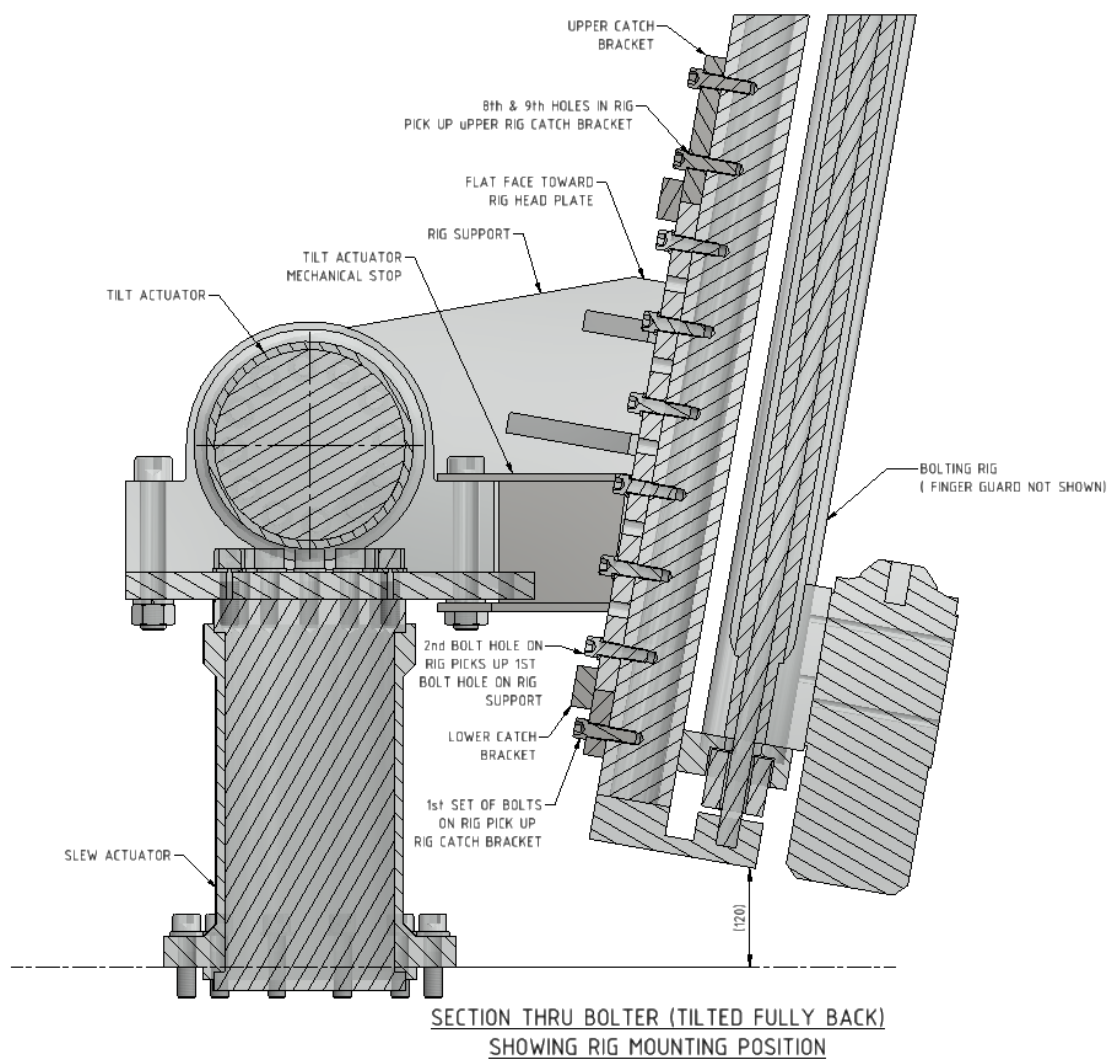


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Item 1 Recommendations

After Consultation and Design review, it is a recommendation that the following actions are completed to prevent any potential incidents occurring.

- All end users verify the distance from the bottom of the HFX frame and the Man basket floor when fully tilted back. - **Recommended Distance from the floor – 50 – 120 mm**
- All end users check the location of the Joy rig mountings as shown below: if the unit is not setup like this return to Alfabs for corrective action.



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Item 2 – Drill Pot hosing manifold clash with mesh support cylinder (LH and RH).

This Pinch point can occur when the rig is fully tilted back and slewed approx. 35 deg.



Note: Some Boar bolters have the ability to tilt back beyond vertical to allow operators to install roof bolts close to the rib at low angles, Alfabs investigated the possibility of eliminating this pinch point by limiting the amount of back tilt via a mechanical stop.

It was determined that as the mesh jack and rigs are extended the potential pinch point would still exist even with reduced back tilt unless back tilt is limited to almost vertical (though at an increased height).

Recommendations

After Consultation and Design review, it is a recommendation that the following actions are completed to prevent any potential incidents occurring.

- Drilling Offsiders Must ensure they operate the HYD E-Stop prior to passing past Console as Noted on page 56 of the training Manual
- All end Users to ensure all operators of the QDS Bolter are made aware of the possible pinch points associated with the bolting rig. Refer to the attached extract from the updated training package.
- All end users to review relevant safe operating procedures to ensure No Go Zones are identified and included
- All end users to review operational risk assessments and ensure all possible hazards are identified & adequately controlled.

If there is an issue with this item, please contact Alfabs for us to arrange for a maintenance fitter to be sent out to assess the Bolter.

Notes

For an updated copy of the training package please email james.sanderson@alfabs.com.au

For any questions or queries please contact your area Branch Manager

Kurri Kurri Branch, Matthew Burrows Ph 0438 427 034

Wollongong Branch Manager, Justin Halilovic Ph 0429 770 622

Mackay Branch Manager, Matthew Eatwell Ph 0412 684 665

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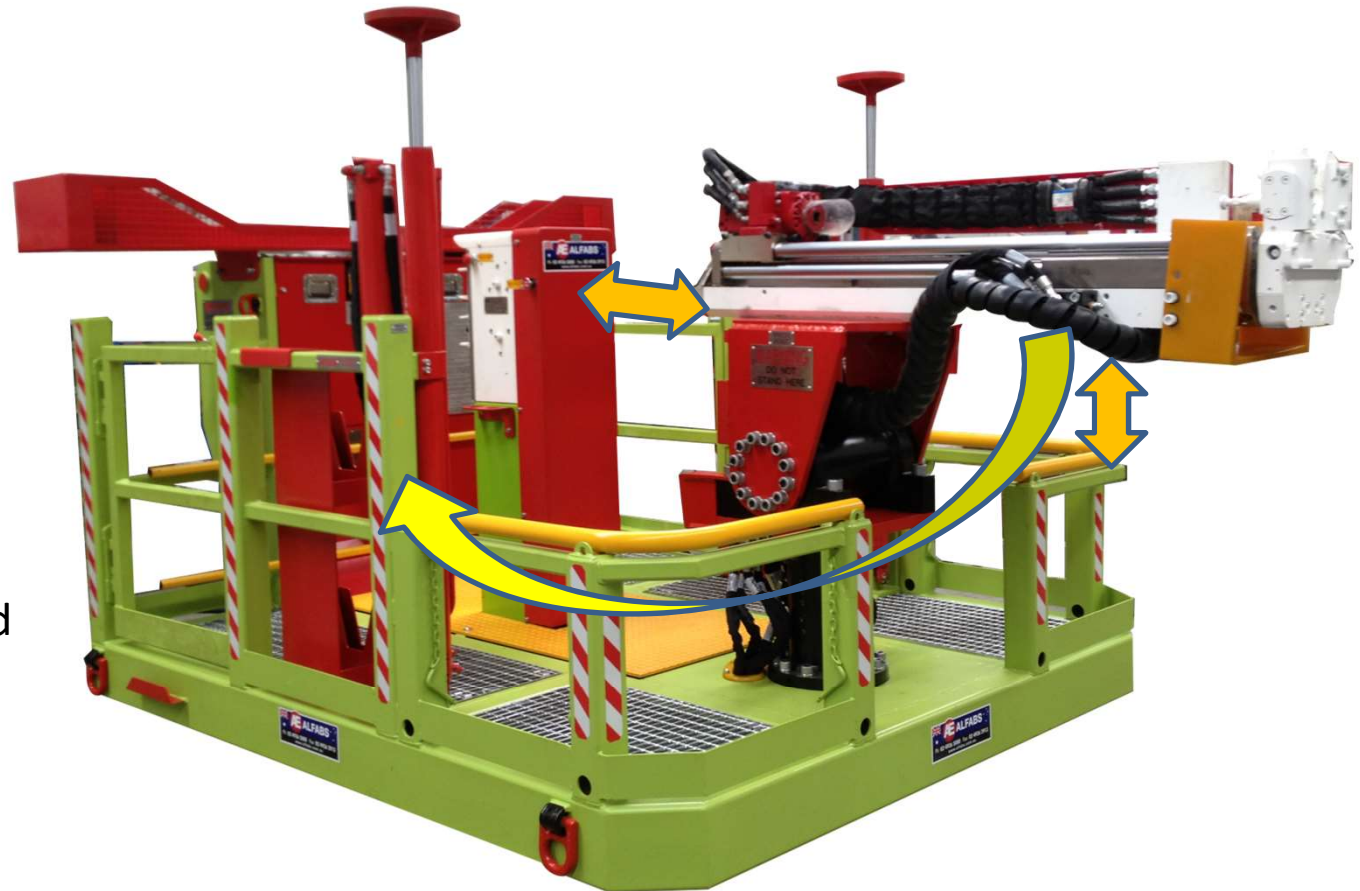
Between rear of rig and
control station

Between Rig and
Adjustable Handrails

Between side of rig and
fixed hand rails

Between the Mesh
Cylinders and the Joy Feed
Frame

Between the bottom of
the Joy Feed frame and
the Basket Floor



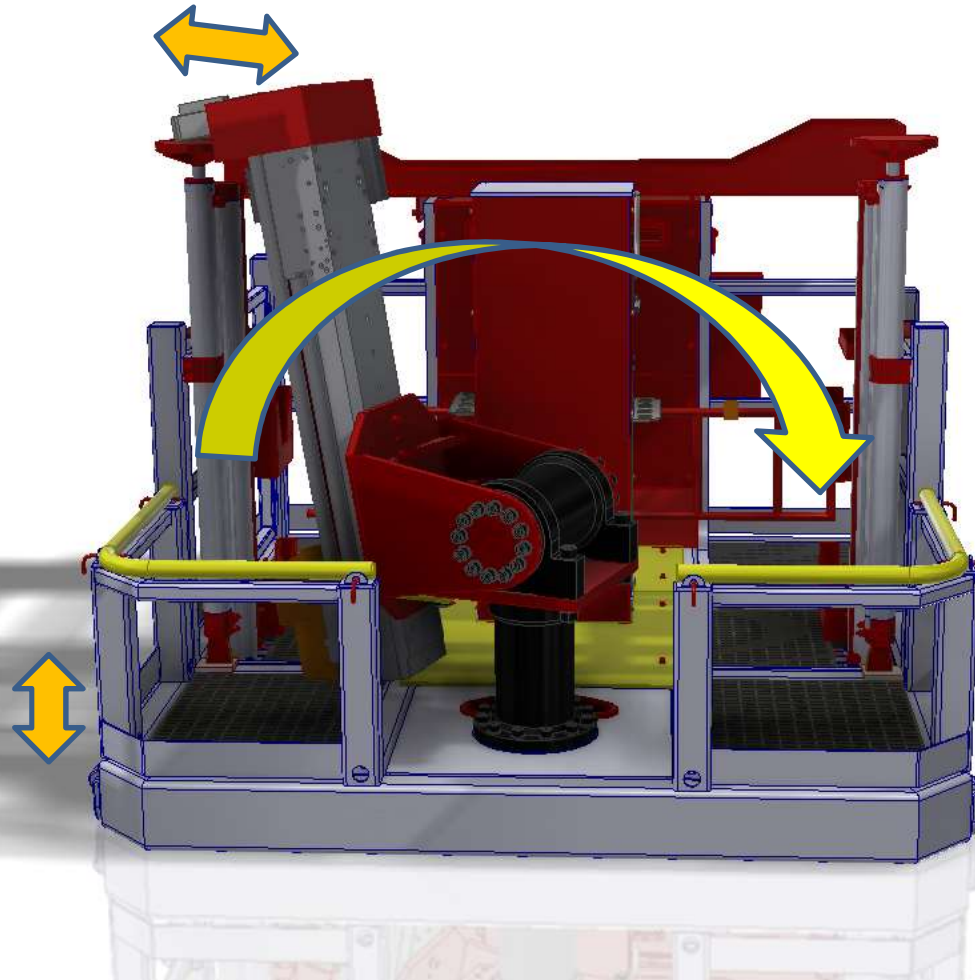
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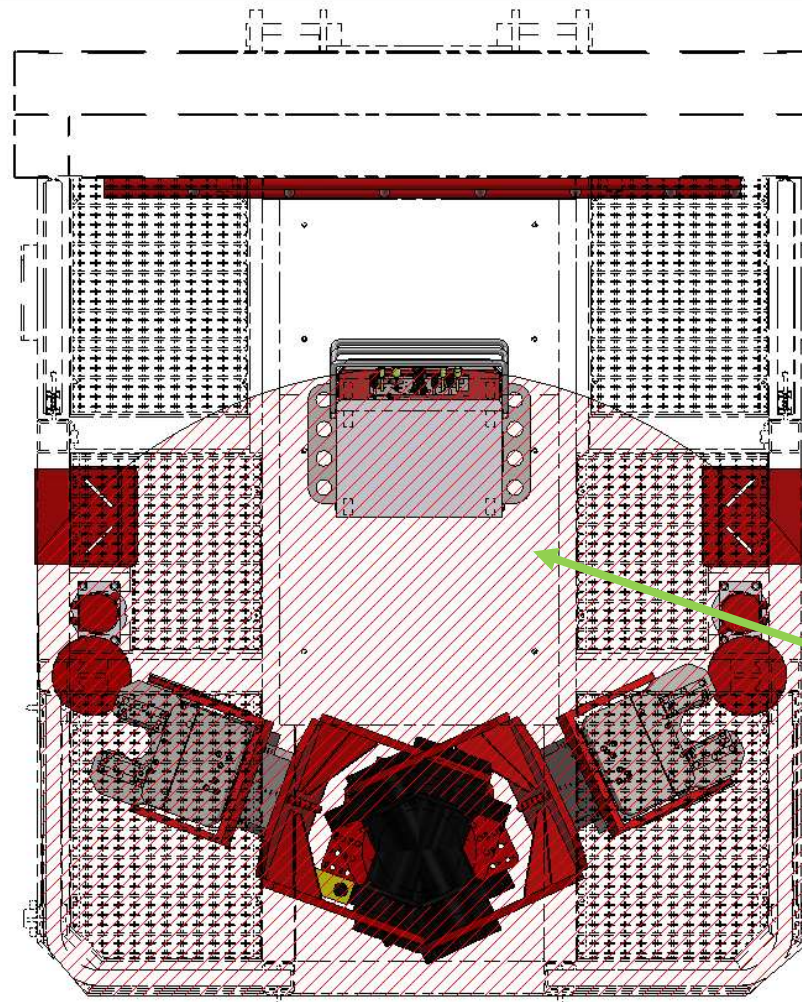


ALFABS

MINING EQUIPMENT PTY LTD

Recommended No/Go Area

Alfabs recommends that the hatched red area is a NO/GO Zone when the bolter head is being positioned



No / Go Area

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