

Technical Bulletin

Possible unplanned Movement QDS Bolter (REXROTH)

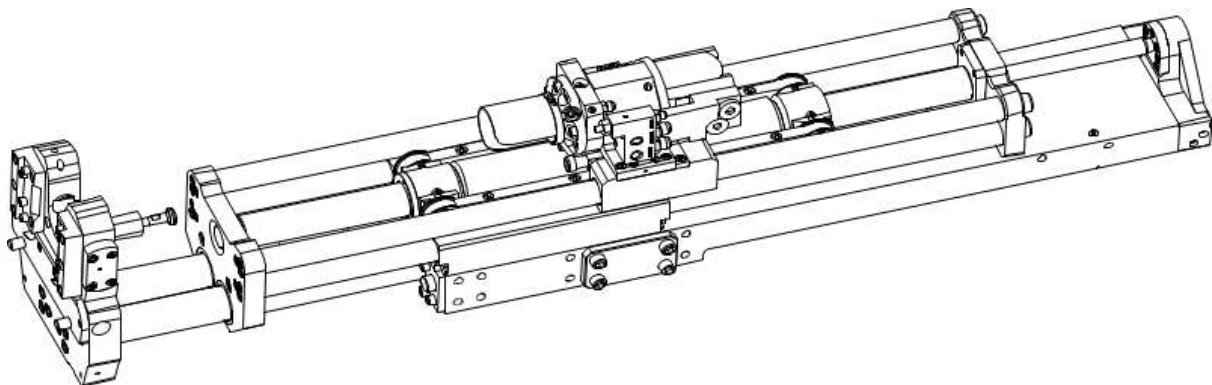
This Bulletin has been issued to inform Owners & End Users of a possible unplanned movement during the operation of Alfabs QDS Bolters fitted with a Rexroth operators control valve bank.

Event

Single handed operation of the feed retract on the QDS Bolter can result in the feed carriage unexpectedly extending towards the head plate while the drill motor simultaneously retracts towards the end plate.

For this event to occur the operator must

- Extend the Timber Jacks
- Operate two handed feed function while only activating the feed lever to half way to allow for the drill motor to proceed up the frame with the frame remaining stationary
- Once positioned as shown below, single handed operation of the Feed may result in the unplanned movement, with the feed carriage unexpectedly extending towards the head plate while the drill motor simultaneously retracts towards the end plate.



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Recommendations

After consultation and a design review with the valve bank suppliers and an additional third party, it is a recommendation that the following actions are completed to prevent the possibility of unplanned movement:-

- Additional 0.5 Bar Check Valve to be fitted in the feed extend circuit.
Alfabs Part – “Feed Retract Check Valve Kit including hose & fittings”
Alfabs Part Number – 400527
Price - \$224.00

Refer to the attached schematic for the placement of the check valve. (Blue Components)

- Owners & End Users to update the Plant Safety File for the QDS Bolter with the attached schematic when the modification has been completed.

The Above modification need only to be fitted to Alfabs Bolters fitted with a Rexroth Valve Bank. If you are unsure of the current configuration of your QDS Bolter or have any further questions please contact your local Alfabs Representative

It is recommended all Owners & End Users regardless of Valve Bank Fitted complete the following actions.

- Owners & End Users to ensure that the 90mm Timber Jack Pinch point poly spacer (Alfabs Part Number 200108) & 90mm Feed Pinch point poly stop (Alfabs Part Number 200160) are fitted as per Joy Global Service bulletin GSB0018 15-03-2005.
- 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 training package.
- Optional HFX Bolter Pinch Point Zones signage can be fitted to the Alfabs QDS Bolter
Alfabs Part Number – 750114
Price - \$115.00

Notes

Please ensure all relevant personnel in your organisation receive a copy of this Technical Bulletin and are informed of its contents and recommendations. This Technical Bulletin should be processed in a systematic manner through the mine information and communication process which should include being displayed on notice/information board.

For any questions or queries please contact your local Alfabs Representative.

Regards,



Jacob Bellamy

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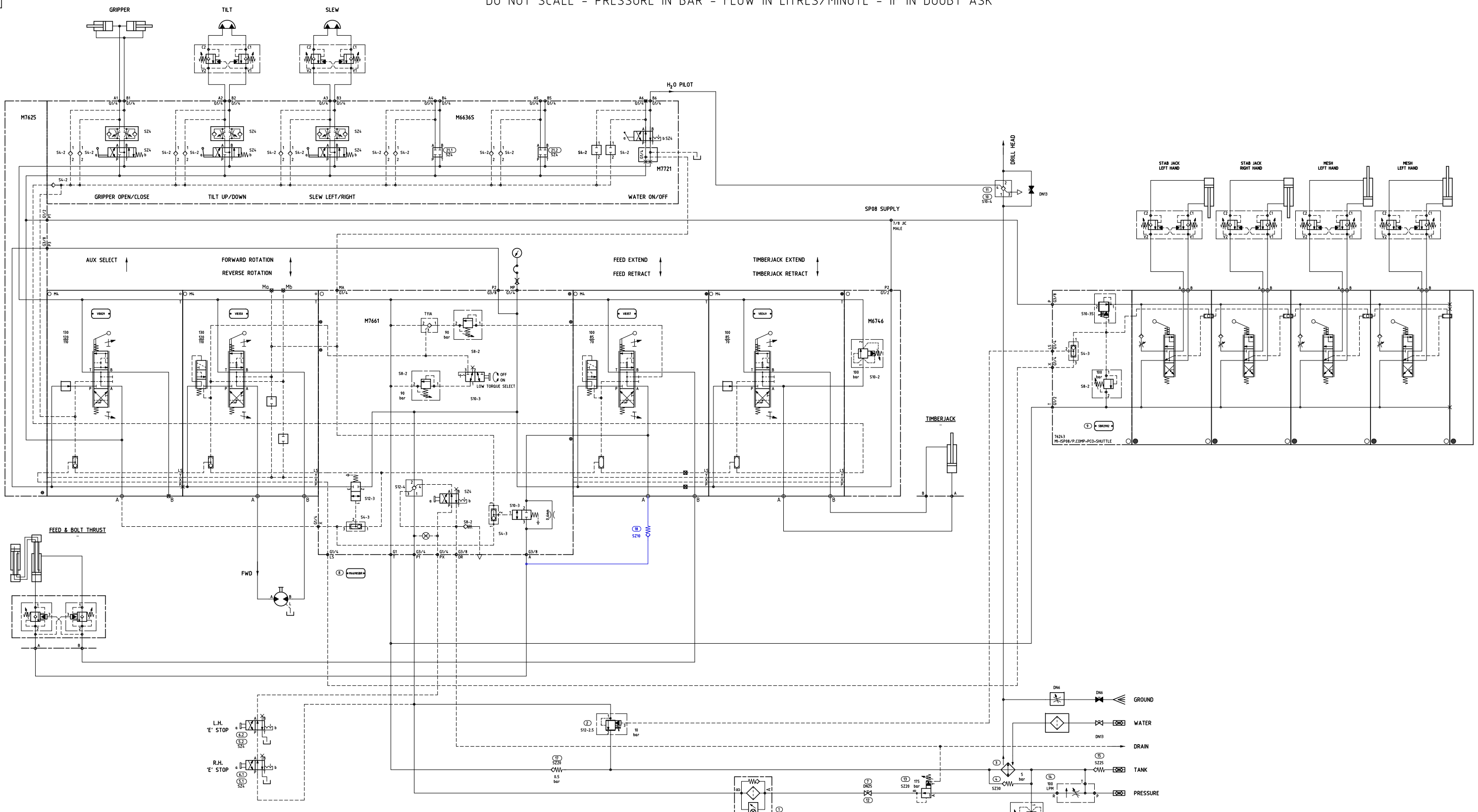
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ITEM	DESCRIPTION	QTY	UNIT	PRICE	AMOUNT	REMARKS
DATE	VARIOUS					REPEAT KIT
NUMBER	ALFABS MINING					
DESCRIPTION	QDS STANDARD BOLTER KIT - BOAR					
DETAILS	HYDRAULIC CIRCUIT					

Rexroth
Bosch Group

3 Valediction Road KINGS PARK NSW 2147
Telephone (02) 9831-7788



Pacific

REPEAT KIT

RK732SBR

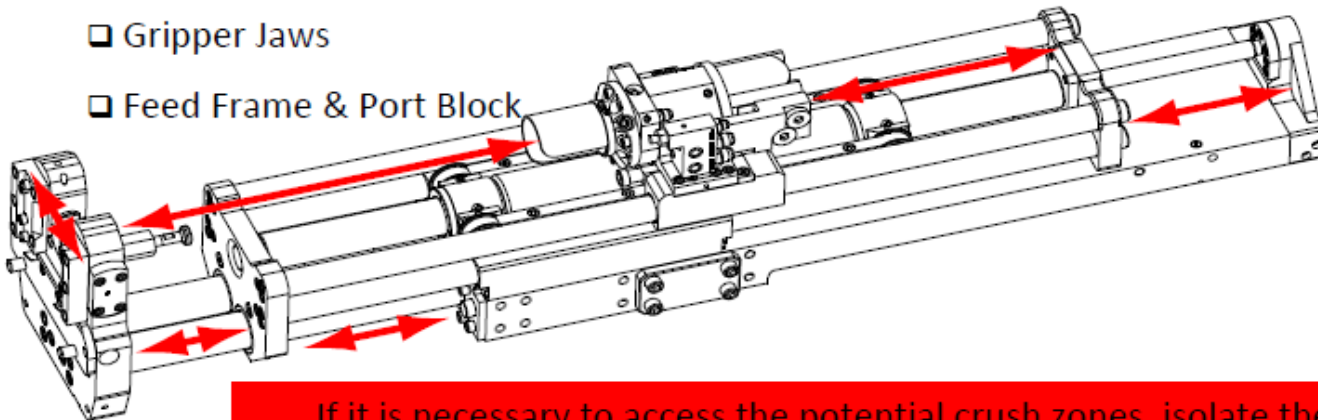
REPEAT
KIT
RK732SBR

DRAWN BY S.BUDGE	END CUST/SITE	VARIOUS
CHECKED BY B.ROSTRON	OUR CUSTOMER	ALFABS MINING
DATE 29-05-2014	DESCRIPTION	QDS STANDARD BOLTER KIT - BOAR
	DRG DETAIL	HYDRAULIC CIRCUIT

- HFX Bolter Unit Crush Zones

Never place yourself between the:

- ❑ Top Plate & Intermediate Guide Plate
- ❑ Intermediate Guide Plate & Feed Carrier
- ❑ Top Plate & Rotation Unit
- ❑ Gripper Jaws
- ❑ Feed Frame & Port Block



If it is necessary to access the potential crush zones, isolate the hydraulic system