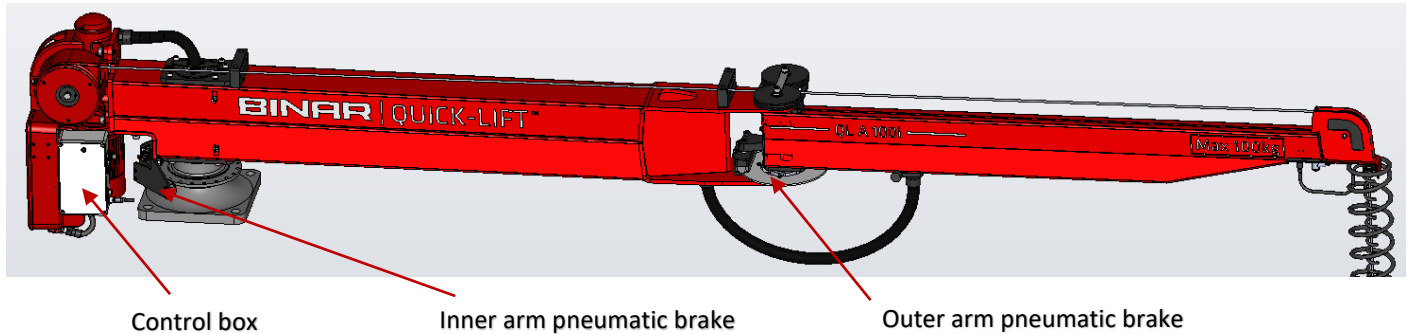


New Product Option – Pneumatic brakes for QLA

Based on demand from the market our development team has introduced the pneumatic brakes for the Quick-Lift Arm. The option was officially released in the latest version of price list 2016-2 and can be delivered with all types of Quick-Lift.



Technical introduction

The Quick-Lift Arm is now available with pneumatic parking brakes. The brake system consists of one brake on the outer arm, one brake on the inner arm and one control box.

The outer brake and its brake pad is using the horizontal surfaces of the brake disc. The pneumatic air hose to the outer brake is routed inside the arm, for protection, together with the pneumatic and signal cable feeding the handle.

On the inner arm the brake system is using the disc on the inner shaft, the same disc which is used for limiting the rotation of the arm, as brake disc. Using the vertical surface of the brake disc.

A control box is added and mounted to the engine unit cooling flanges. The control box including the pneumatic connections for the brakes and an I/O-card for the electric connections and signal interface to iLab2.

Integration and control of the pneumatic brakes are done using the existing configuration possibilities already existing in iLab2.



Actuation of parking brake

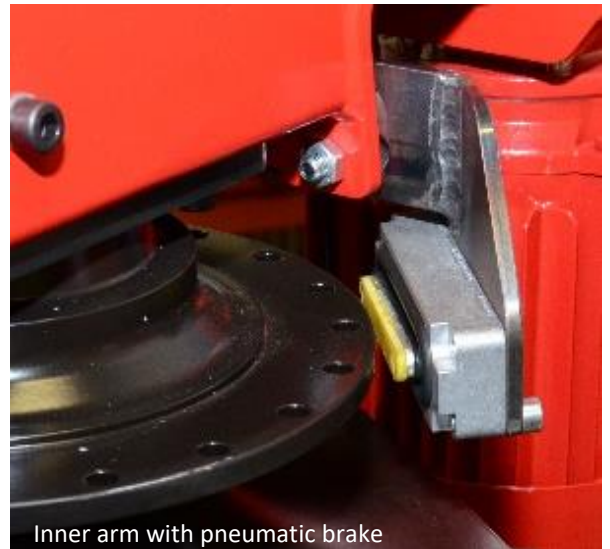
Actuation of the parking brake function can be done in different ways. Either by using one of the push buttons on the handle or a using the available programming possibilities on the Advanced Menu in iLab2.

When choosing actuation by a push button the lower right push button is used. For handles without grip and release push buttons a n additional push button is installed.

For handles equipped with grip and release buttons the right push button is electrically reconnected and used as on/off for the pneumatic brakes.

When using this actuation, you simply move the QLA to the desired position and press the brake button and the QLA is set to parking mode.

The alternative actuation is configured in iLab2, on the Advanced tab. Configuring a combination of conditions, for example the load and the height (position). When conditions are met the Quick-Lift will automatically activate the pneumatic brakes. When the parking brake is actuated it locks both the inner and the outer arm at the same time and in the position that the arms are in at the moment.



Ordering of brake options

The brake system needs to be specified when ordering a new QLA. It can only be installed at manufacturing. The add-on price for the parking brake system can be reviewed in the latest Price list; "Pricelist 2016-2 Standard Products". The price depends on the weight class of the arm.

The brake system cannot be combined with the Middle link option.

Delivery

Deliveries have already been sent out to customers worldwide. First delivery was delivered to our distributor in Great Britain and ended up at car manufacturer Honda. End customer choose the push button activation alternative and the feedback from the operators using the equipment is positive. They appreciate the ease of turning on and of the pneumatic brakes with thus use of the push buttons.