Instruction manual for lift buffers distributed by ETN

Bumpers are used as spring and damping elements in lift construction. Depending on the type of lift (with or without throttle or throttle check valve), lift buffers made of cellular polyurethane are used in various dimensions for maximum and minimum application ranges. The load ranges are documented for the individual buffer types in the EU type tests.

Lift buffers are manufactured with various fastening options.

The lift buffers can be arranged individually, side by side or against each other. The following must be observed for mounting:

Arrangement side by side:
The distance between the buffer outer surfaces must be at least 40% of the buffer diameter to prevent friction losses and contact at max. deflection.

Arrangement against each other:
The vertical centre offset of the buffers meeting each other must not be more than 10% of the buffer diameter to prevent buckling. Otherwise, force absorption is no longer guaranteed. With this arrangement, only buffers of the same diameter may be used.

The mating surface of the buffer must be flat; if several buffers are arranged, this surface must be horizontal to ensure an even load on the individual buffers.

The size is to be determined by the lift manufacturer. A full-surface contact of the buffers with the counter-pressure surface must always be achieved.

Notice:
The lift buffers may only be put into operation if it has been determined that the lift system complies with the provisions of the Lifts Directive 2014/33/EU.
The buffers must not be subjected to permanent loads and thus must not be used as a support point for repair and maintenance work.

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