



Engineered For Safety

Pentalift Ratchet Hold-Down Conventional Hold-Down Design

The ratchet Hold-Down is the most common type of Hold-Down mechanism in the loading dock industry. It has been supplied by several different manufacturers for many years. Based on the proliferation of its use the ratchet Hold-Down design, function adjustments and service requirements are familiar to a wide range of service technicians across North America. To accommodate and cater to technicians familiar with this design, Pentalift offers the ratchet type Hold-Down on all models of mechanical dock levelers. Given the wear and tear a dock leveler Hold-Down is subject to, it is important that service technicians know how to properly adjust and maintain the mechanism.



Ratchet Hold-Down Features and Benefits

By pulling the release chain at the rear of the deck, the ratchet and pawl are released allowing the deck to raise and the lip to extend. When engaged, the ratchet Hold-Down allows the deck to float with the truck/trailer maintaining lip contact. The ratchet Hold-Down can be supplied in all models of Pentalift mechanical dock levelers. All other components and features of the mechanical dock leveler remain the same.

Ratchet and pawl teeth are precision machined for consistency and reliability. Ratchet and pawl teeth are sized and shaped for reliable holding ability and reduced release force. Optimized ratchet and pawl teeth configuration and oversized pulleys result in a lower pull force required to release the Hold-Down.



The float spring allows the leveler deck to float with the truck/trailer during loading/unloading.
Note: The float spring is located inside the float spring tube.

Consult a Pentalift Sales Representative for additional information or equipment recommendations

Note: Some photos may reflect products with optional features. All Pentalift Equipment products are subject to design improvement through modification without notice.

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