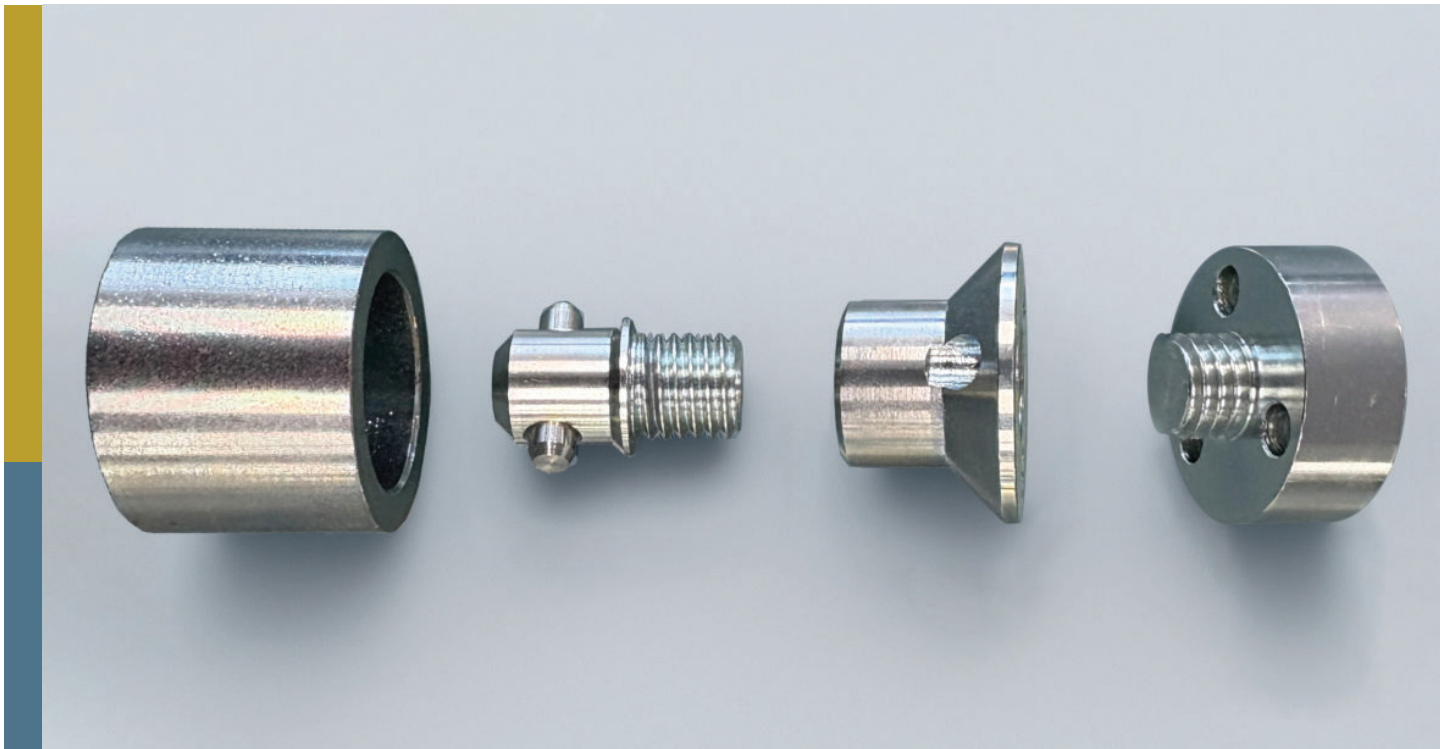


# Pod Equipment Company



## The PodBolt System

The PodBolt is a novel, one-sided liner bolt with significant advantages over conventional liner bolts, or other one-sided liner bolt designs, enabling a range of liner fixing solutions that are liner agnostic for the critical challenges encountered in all current liner fixing systems. All components are zinc electroplated, preventing seizing, protecting against corrosion and thus ensuring longer life.

### How Does the PodBolt Work?

#### Retainer

Welded to the bin wall from either outside (new work) or inside (retrofit) to secure the bolt with twist-lock style seat.

#### Key

Twist-lock lugs on key allow easy fitment into retainer, enabling simple removal without cutting; self-seats in correct position during fitting and prevents release should bolt loosen; threads remain outside wear zone, so can always be removed.

#### Key Head

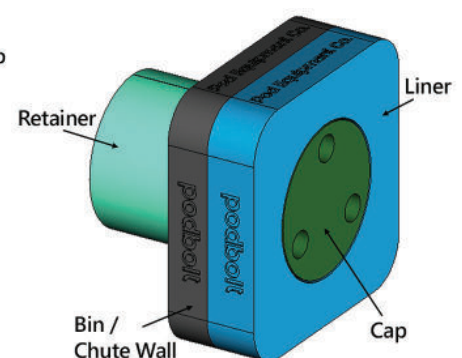
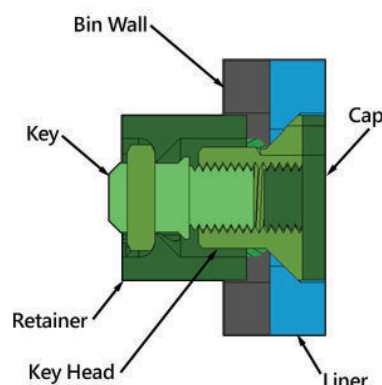
Tapered to secure liner; includes three through recesses to allow clearing and fitment of removal socket.

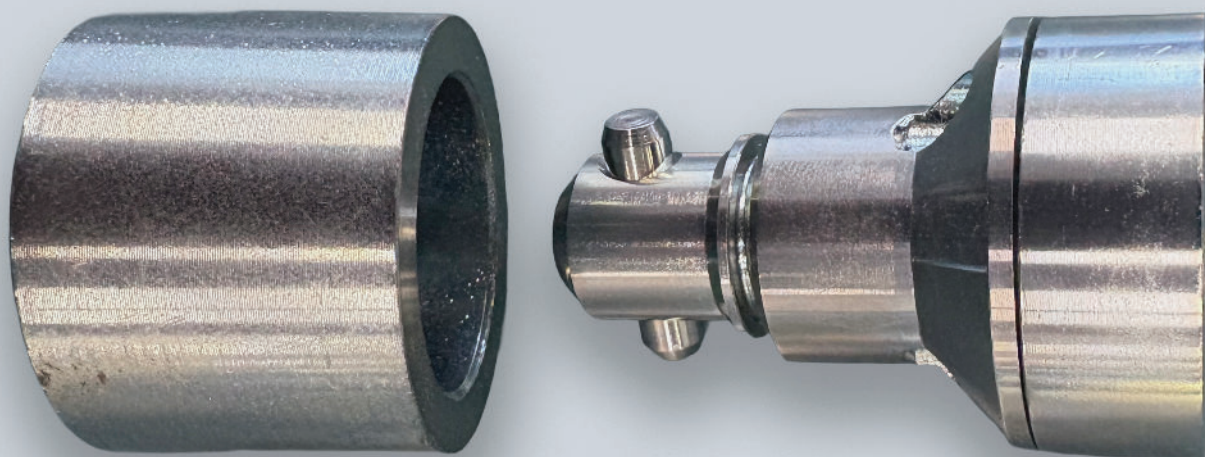
#### Cap

Designed to fit flush with liner surface to eliminate classical teardrop wear pattern and premature liner failure; protects nut; includes three through recesses to allow clearing and fitment of removal socket; cap thickness and hardness increases to match liner.

### PodBolt Types

- PodBolt liner bolt
- PlugBolt
- CopOut Bolt
- Fishtail Bolt (for NiHard liners)
- Retrofitting of current systems:
  - other brands of one-sided bolts
  - fishtail bolts
  - countersunk bolts
- Rail lining systems





## PodBolt Features



### Safety

- No components can fall from heights on the outside of the chute/bin, as they are held captive by the retainer.
- The PodBolt is a one-sided bolt, thus eliminating all external scaffolding and personnel requirements.



### Cost Saving

- The cap protects the other PodBolt components, enabling their reuse, thus reducing maintenance costs. The retainer should not need to be replaced.
- The PodBolt is a one-sided bolt, saving money and time associated with scaffolding the outside of the bin/chute to access the nuts during liner replacements.
- The cap is designed to fit flush, allowing for optimisation of liner life.



### Installation

- Easy to install.
- Avoids improper installation as it locks into position via tapered entry and seating detail.
- Cannot be misassembled and misinstalled, as incorrectly assembled bolt will not take up. No threaded components protrude past the bolt head that will result in wear to threaded components preventing removal.
- Self-locking when in correct position. The PodBolt locks into the correct position via a tapered entry and seating detail. The PodBolt does not release immediately upon loosening due to the taper.
- The cap and key head and associated tools have been designed for power tools, thus allowing rapid installation and removal.



### Liner Replacement

- Easy to replace while working from one side only.
- Bolt threads do not extend beyond the bin/chute shell plate thus enabling the bolts to be easily removed.



### Flexibility

- The cap can be manufactured to suit any liner thickness.
- The PodBolt can easily be retrofitted to existing chutes by drilling a larger hole into the chute. The retainer can be fitted using the retainer installation tool from inside the bin/chute and the PodBolt fitted accordingly.
- The PodBolt can be used for structural purposes if so required.
- PodBolts can be supplied in M14, M16 and M20.
- The design can be adapted to requirements. For example, an initial cost saving can be achieved by combining the cap and key head into one piece.
- Zinc electroplated finish prevents seizing, protects against corrosion.

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