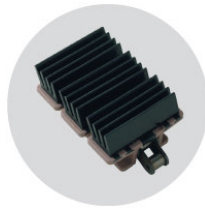


Solution Guide



uni Grip 1873 G4
Snap-On chain

- Industry > **Beverage, Full Plastic Bottles**
- Application > **Gripper Elevator**
- Description > **Convey pet bottles by gripping them from both sides**

Gripper chains are often used to convey full bottles from one level to the next. Often they are high speed conveyors with 2 x 120 feet (40 m) of chain. In dry applications carbon steel base chain is often used although stainless is sometimes preferred so the same chain can also be used in the rinser application.



uni 1873 chain with G4 grippers in various gripper elevator applications

Problems

- > **Problem 1**
Stretching of chains creates problems keeping the two chains synchronized and on the take up system. The chain must be replaced once this becomes a problem.
- > **Problem 2**
If a jam occurs the rubber grippers will come off. Replacing the rubber grippers is time consuming which mean lost production time.
- > **Problem 3**
The competitors' rubber grippers wear out quickly and the replacement rubber is often made of a low quality rubber like Neoprene.
- > **Problem 4**
The extruded rubber grippers are only made with 3 "fingers" and therefore must be made with softer materials to give the gentle compression needed with thinner wall PET bottles.

Solutions

- > **Solution 1**
uni-chains uses only high quality European brands of base chain. These chains stretch less than competition providing longer life before the chain must be replaced.
- > **Solution 2**
uni-chains grippers are molded to the plastic link and do not come off during a jam.
- > **Solution 3**
uni-chains uses high wear rubber in different hardness depending on the application. The rubber lasts much longer than competition and will wear at the same rate as the plastic link.
- > **Solution 4**
The uni 4 finger style can be made with harder rubber (PEBAX or Santoprene) because the "fingers" themselves are thinner. This allows the same gentle compression with harder rubber for wear resistance.