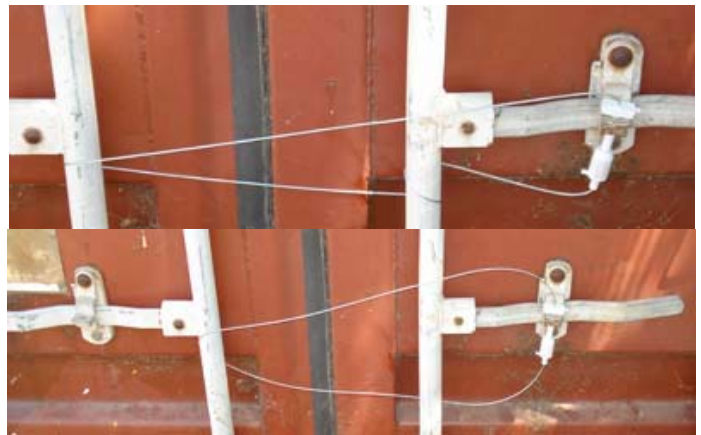
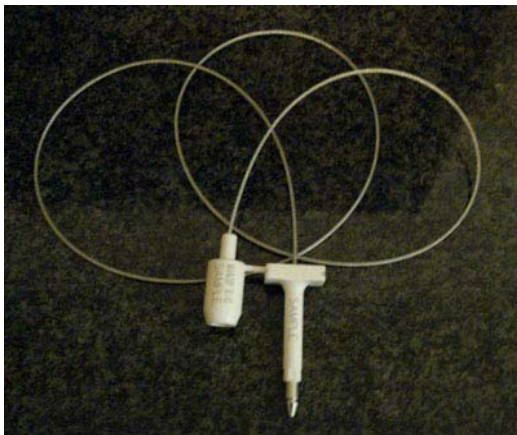


**NAVALOOP BC-03 ISO 17712 Security Seal Data Sheet****General description of the NAVALOOP principle:**

The **Navaloop** principle of bolt cable seals is a new, innovative patent pending method of verifiably secure sealing of containers and trucks based on a High Security bolt seal as per ISO 17712 incorporating a "door to door" (**D2D**) cable seal. The cable part of the **Navaloop** is made of NPC (Non Preformed Cable) which "blooms" when cut. Incorporating a **D2D** cable creates a truly verifiably secure sealing loop and addresses the vulnerabilities of the container design which regular seals do not address. The High Security bolt seal part is based on our highly successful line of **Navaseal** bolt seals.

**Detailed description of the NAVALOOP BC-03 bolt cable seal:**

The **Navaloop BC-03** is a High Security seal as per ISO 17712. The product format is a tandem bolt cable seal with an anti spinning feature. It consists of a locking pin and locking bush. The pin has a fixed length. The locking mechanism of this seal is of unique, original and patented design, not found on any other make of bolt seals. It consists of a steel locking spring of intricate claw like shape which is located inside of an all steel locking bush. The claw like locking spring engages into a circumferential groove machined in the locking pin, gripping and securing it firmly. All the elements of the locking mechanism are made of steel, providing ultimate strength and hindering tampering before as well as after the seal's application. The locking bush and locking pin are coated by ABS plastic. Tampering with **Navaloop** seals is virtually impossible for intruders and also deters insider collaboration in cargo theft and/or other wrongdoing. The bush is standard marked with a 6 character alphanumeric consecutive seal number and logo or name which are laser engraved (depending on the chosen color and customer preference). The seal serial number is duplicated on the pin in order to enhance security. The pin is 9.5 mm (0.374") Ø (steel core is 7.0 mm or 0.276" Ø). The bush is 20.0 mm (0.787") Ø (the steel core is 10.0 mm or 0.394" Ø). Standard length overall in the sealed position 87.0 mm (3.425"). Average tensile load is 1,172 kg (2,584 lb). Average shear load is 1,750 kg (3,858 lb). This seal is available in various colors. Bar coding is optional. Standard length of the cable is 1220 mm (48"), thickness is 1.8mm (0.071"). Average tensile load is 440 kg (970 lb) and average shear load is 308 kg (679 lb).

Packaging information: 10 nylon bags per carton box (total 100 pc/box) net weight 10. kg (22.0 lb) gross weight 10.5 kg (23.1 lb). The carton box sizes (LWH) are 410 x 270 x 150 mm (16.1 x 10.6 x 5.9 in).

**Complies with ISO/PAS 17712 ("H" grade)**

**NAVATECH** is a member of the **ICSC** (International Cargo Security Council). We are the inventors of the **NAVALOCK**<sup>®</sup>, the first solid steel interlocking bar seals for containers and trucks introduced in 1984 and the **NAVALINK** "door to door" (**D2D**) application mode of long cable seals introduced by us in April 2001 at the NCSC Annual Conference held in Chicago, IL. Our products are manufactured at an ISO 9001 accredited factory, using modern technology under strict quality control to assure High Security sealing and indisputable tamper evidence.