

NAVASEAL B-03 ISO 17712 High Security Seal Data Sheet**General description of NAVASEAL bolt seals:**

The **NAVASEAL** line of bolt seals is a comprehensive line of bolt seals rated as High Security seals as per ISO 17712 (with the sole exception of the **NAVASEAL B-01** which is rated as a Security seal) for standard application on containers, trucks and other suitable applications. The locking mechanism of these seals 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 (with the sole exception of the **NAVASEAL B-05** pin). Tampering with **NAVASEAL** seals is virtually impossible for intruders and also deters insider collaboration in cargo theft and/or other wrongdoing.

Detailed description of the NAVASEAL B-11 bolt seal:

The **NAVASEAL B-11** is a High Security flexible seal as per ISO 17712. It consists of a flexible locking pin and locking bush. The pin has a fixed length. The bush contains the positive locking system which can not be manipulated to be released and reused again. Both the flexible pin and the bush are encapsulated in ABS plastic. The pin only partially so. 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 ranges from 4 to 9 mm (0.157 to 0.354 in) Ø (steel core ranges from 4.0 to 7 mm or 0.157 to 0.276 in 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 94.0 mm (3.701"). Average tensile load is 1,050 kg (2,314 lb). Average shear load is 395 kg (871 lb). This seal is available in various colors. Bar coding and color combinations optional.

Packaging information: 2 inner cartons containing 100 pc belted together (total 200 pc/box) 10.1 kg (22.3 lb) gross 10.6 kg (23.4 lb). The carton box sizes (LWH) are 370 x 260 x 130 mm (14.6 x 10.2 x 5.1 in).

Complies with ISO/PAS 17712 High Security ("H" grade) requirements

NAVATECH is a member of the **ICSC** (International Cargo Security Council). We are the inventors of the **NAVALOCK**[®], 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 within the limitations of the product category.

The **NAVASEAL B-11** is a High Security ("H" grade) seal as specified by ISO/PAS 17712 and is C-TPAT compliant.

NAVATECH reserves the right to modify the design and/or materials, at any time, without prior notice, as deemed necessary.