

High Security Seal · Data Sheet

Fort Container Seal



Features

- 1 Hardened steel pin and bush for added security.
- 2 The pin and bush are moulded with high-impact ABS to provide high tamper evidence.
- 3 Oval-shaped pin and bush to mitigate 'spin attacks'. The anti-locking mechanism prevents friction and only allows 1-way locking.
- 4 Identical sequential numbers on both parts provide greater security as it prevents part substitution or replacement.
- 5 Engraved paired pin and bush for easier handling.
- 6 The bush is etched with name, logo, sequential numbering and barcode using permanent laser marking. Laser marking offers the highest level of security as it cannot be removed or replaced.

High Security Container Bolt Seal

ISO 17712 "H" Compliant · C-TPAT Compliant

A strong tamper-evident mechanical seal, the Fort Container Seal (FCS) consists of a hardened steel pin and bush moulded with resilient high-impact ABS.

With immense tensile strength and anti-spin locking mechanisms, the FCS is a fortified container bolt seal widely used in shipping, securing intermodal containers and ground transportation. It features a unique two colours in its design for consistent barcode scanability








- 7 Two colours for improved product definition, visibility and identification, marking variations and increased operation efficiency. White printing area ensures easy scannable barcodes.
- 8 The seal is designed with an ISO 17712:2013 clause 6 compliant safety feature to trigger indicative tamper evidence upon attacking with forced spinning (with torque of approx. 25-30 kg) while still keeping the seal locked. The irrefutable tamper evidence- with a crack in a designated 'weak spot' in the ABS plastic- contributes to deterring further tampering attempts.
- 9 Groove on number printing position prevents number removal without tamper evidence.
- 10 Wavy printing surface on pin prevents number removal without tamper evidence.

Technical Specifications

PRODUCT

Material	Locking Length	Pin Diameter	Tensile Strength	Marking Area	Max Marking
Plastic pin and barrel: High-impact ABS	50 mm (0.04 in)	Ø 7 mm (Ø 0.28 in)	1200 kg	14 x 26 mm (0.55 x 1.02 in)	Serial no: 12 digits Barcode: 12 digits
Pin and bush: Hardened Steel					

PACKAGING AND COLOURS

Carton Quantity	Dimensions	Weight kg/carton	Standard Colours
Packed in 10 pcs per die cut box and 250 pcs per carton	250 pcs carton size 485 x 340 x 175 mm	13.5 kg (29.8 lbs)	      



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