MEGA FORTRIS
G R O U P

HIGH SECURITY SEAL

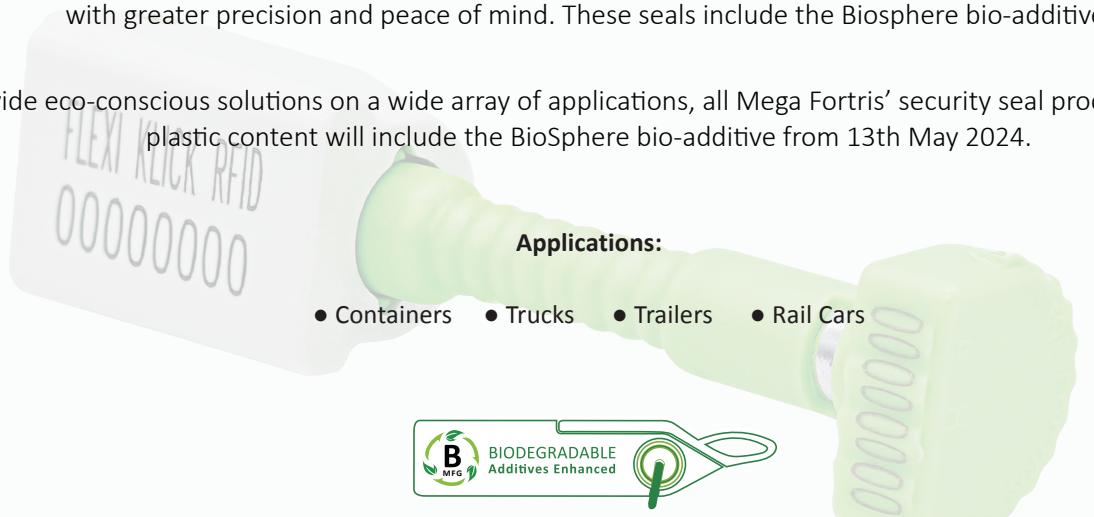
FLEXI KLICK RFID (FLXK RFID)

Container Bolt Seal

Enhanced security with our upgraded Flexi Klick with RFID technology

Flexi Klick RFID is uniquely designed with flexibility added into its strong locking mechanism. This feature comes with a locking mechanism that allows only one-way entry and provides strong resistance against tampering. In addition to its flexibility, the Flexi Klick RFID is also moulded with Mega Fortris' patented two-colour body for improved visibility. Flexi Klick RFID is ISO 17712 and CTPAT compliant. It has an added RFID function to track and monitor your assets with greater precision and peace of mind. These seals include the Biosphere bio-additive.

To provide eco-conscious solutions on a wide array of applications, all Mega Fortris' security seal product lines with plastic content will include the BioSphere bio-additive from 13th May 2024.



Applications:

- Containers
- Trucks
- Trailers
- Rail Cars

BIODEGRADABLE Additives Enhanced

Our biodegradable plastic additives go deeper, allowing microbes to consume the C-C bonds within plastic's structure at a macromolecular level. This increases the surface area of plastic products and enables plastophilic microbes to attach to the polymer's newfound cavities. So, unlike regular plastic that can sit in a landfill for hundreds or thousands of years, plastic enhanced with BioSphere attracts over 600 different types of microbes that effectively digest and consume it.

PREVENTION · PROTECTION · PEACE OF MIND

ISO 17712:2013 Annex A Conformance As Certified By SGS

SIRIM Quality Award

MEMBER OF TAPA ASIA PACIFIC Transported Asset Protection Association

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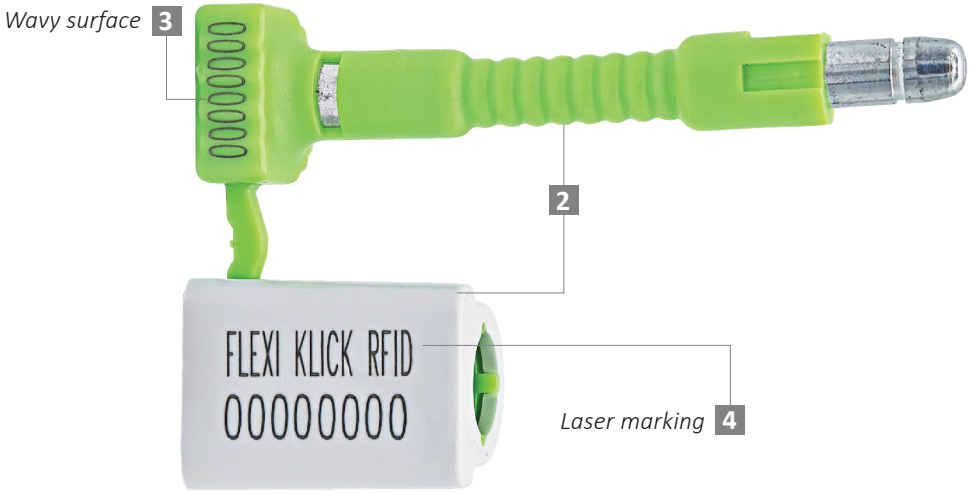
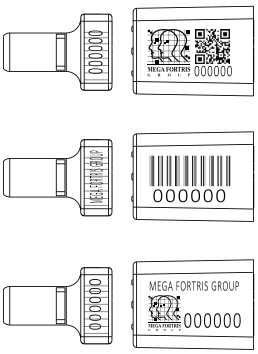


LASER MARKING OPTION

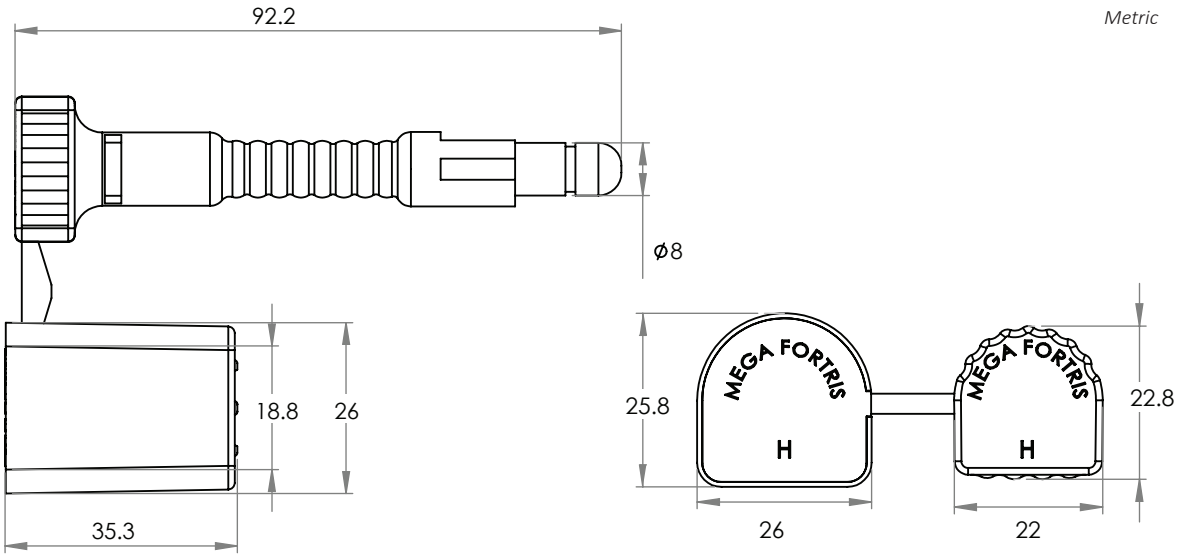


VIEW APPLICATION VIDEO

FLXK RFID

1. The Flexi Klick with RFID comes with a locking mechanism that allows only one-way entry and provides strong resistance against tampering.
2. The pin and bush are moulded in high-impact PP material to form into a durable pin and plastic barrel while withstanding extreme weather conditions of -20°C to 80°C. Pin and barrel are paired engraved for easier handling.
3. Additional wavy printing surface on pin gives clear evidence of tampering or removal of identifiers.
4. Irreversible identifiers such as name, logo, barcode, serial number and QR code are laser-marked on the pin and barrel to prevent parts substitution or replacement.
5. The RFID chip is encased within the bush. The seal cap is white, while the body is available in our range of available colours. The added RFID function has a range detection of maximum 5 meters and it allows for the transparency of the movements of the secured assets.
6. These seals include the BioSphere bio-additive.
7. The seal is designed, tested and certified ISO 17712:2013.

Metric



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TECHNICAL SPECIFICATIONS

PRODUCT - FLEXI KLICK RFID (FLXK RFID)

Code	Material	Locking Length	Pin Diameter	Tensile Strength	Marking Area	Max Marking Digits
FLXK RFID	**Plastic :** Polypropylene High Impact (PP HI) **Cover :** Polycarbonate **Cap :** Acrylonitrile Butadine Styrene High Impact (ABS HI) **Pin :** Hardened Steel + Galvanize wire **Bush :** Hardened Steel	55 mm (2.2 in)	Ø 7 mm (0.3 in)	≥1000 kgf (≥2204.6 lbf)	**Pin :** 6.7 x 17 mm (0.26 x 0.67 in) **Barrel :** 18.8 x 31 mm (0.74 x 1.2 in)	**Serial no :** 9 **Barcode :** 9

RFID SPECIFICATIONS & THE MECHANICAL SPECIFICATIONS

Electrical Characteristic	General Characteristic of Transponder	Mechanical Specifications
Air Interface Protocol : EPC CLASS 1 GEN 2, ISO18000-63 **Operation Frequency :** 860-960 MHz **Memory :** 128 bit EPC	**Operating Temperature :** (-40 / +85)°C **Shelf Life (2 years from the date of manufacturing) :** +20°C, 50% RH **Technology :** Passive **Tamper Detection :** No **Range Detection :** 5 Meter Max (depends on the boundary area)	**Size :** 42 X 16 mm **Material :** White PET 50 **Adhesive :** RA-2

PACKAGING

Carton	Quantity	Dimensions (mm)	Gross Weight (kg)	Volume (m^3)
Outer	1000	TBC	TBC	TBC

Standard Solid Colours

Body : WH | BL | YL | GN | OR | RD | BK

Marking flap : WH

Cover & Cap : WH

For colour customisations, kindly contact us for further information.

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