

HIGH SECURITY SEAL

MEGA RAIL BOLT + BREAKER BAR

(MRB + BREAKER BAR)

Container Bolt Seal

The Preferred Bolt Seal for the Rail Industry

The Mega Rail Bolt is popular in the automotive industry as it is widely used to secure multi-level autoracks and high-cube boxcars that often transport auto parts. It cannot be removed by a standard bolt cutter and requires a specially designed breaker bar for easy and safe removal, offering strong resistance to tampering.

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:

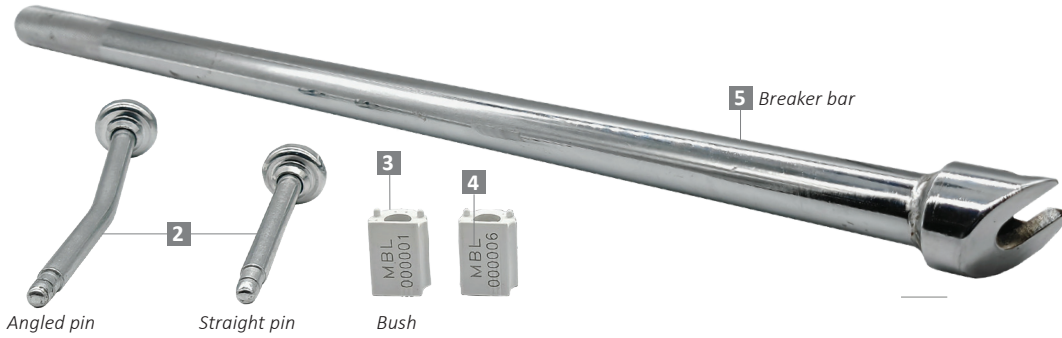
- Containers
- Trucks
- Trailers
- Rail Cars



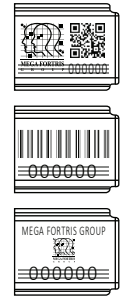
Our biodegradable plastic additives go deeper, allowing microbes to consume the C-C bonds within plastic's structure at a macromolecular level. This increases the surface area of plastic products and enables plastophilic microbes to attach to the polymer's newfound cavities. So, unlike regular plastic 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





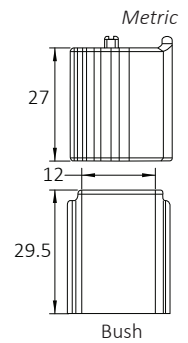
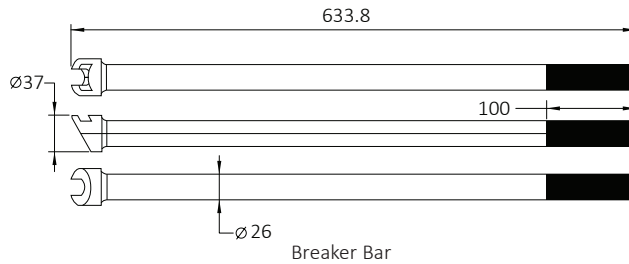
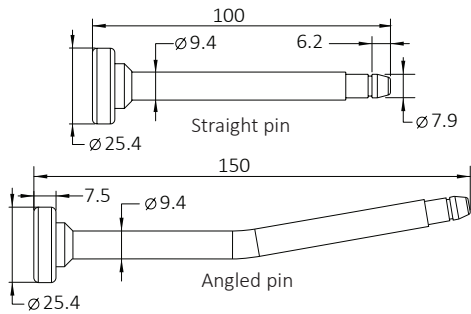
LASER MARKING OPTION



VIEW APPLICATION VIDEO



- 1 The pin and bush of the Mega Rail Bolt are made of high-carbon steel which gives better strength and added security.
- 2 The pin is angled to facilitate applications on boxcars and multi-level autoracks. The pin is available in angled or straight option for various applications and requirements.
- 3 The bush can be moulded with High-impact Polypropylene.
- 4 Irreversible identifiers such as name, logo, barcode, serial number and QR code are laser-marked on the bush for higher security.
- 5 A breaker bar or electric grinder is required to remove the bolt. The steel bolt is too hard to be removed by regular bolt cutters. The breaker bar can be used repeatedly. Once there's a sign of wear and tear, it has to be changed or replaced.
- 6 These seals include the BioSphere bio-additive.



TECHNICAL SPECIFICATIONS

PRODUCT - MEGA RAIL BOLT

Code	Material	Total Length (mm)	Pin Diameter (mm)	Tensile Strength (kgf)	Marking Area (mm)	Max Marking Digits
MRB - Straight Pin	Pin : MS Harden Bush : MS Harden	Pin : 100 (3.9 in) Bush: 29.5 (1.1 in)	$\varnothing 7.9$ (0.3 in)	>1000 (>2204.6 lbf)	Bush: 12 x 24 (0.4 x 0.9 in)	Serial no : 8 Barcode : 8
MRB - Angled Pin	Plastic Barrel : High-impact Polypropylene (Hi-PP)	Pin : 150 (5.9 in) Bush: 29.5 (1.1 in)				

PACKAGING

Carton	Quantity	Dimensions (mm)	Gross Weight (kg)	Volume (m ³)	Standard Solid Colours
I4 - Straight Pin	150	300 x 280 x 120 (11.8 x 11 x 2.7 in)	TBC	TBC	Bush : WH PSYL PSOR PSRD PSBL PSGN
I4 - Angled Pin	100	300 x 280 x 120 (11.8 x 11 x 2.7 in)	13.54	TBC	

For colour customisations, kindly contact us for further information.

Carton size and weight are yet to be confirmed. Please contact us for additional details.

Updated Date : 29 July 2025