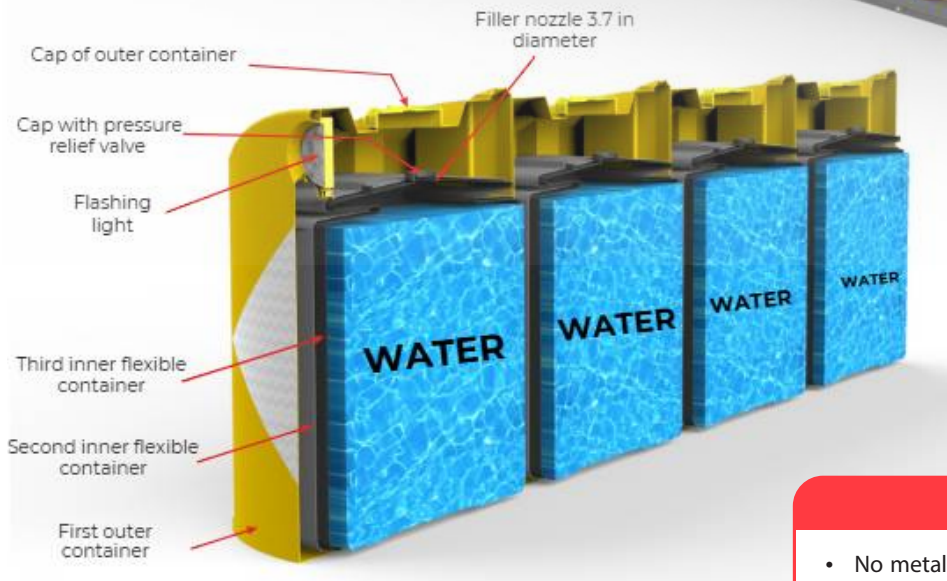


ABSORB 130 WITH ROLLERS

IMPACT ATTENUATOR WITH TRIPLE CONTAINER MODULES

Code: ABSORB-130X

PATENT PENDING
MX/u/2019/000516



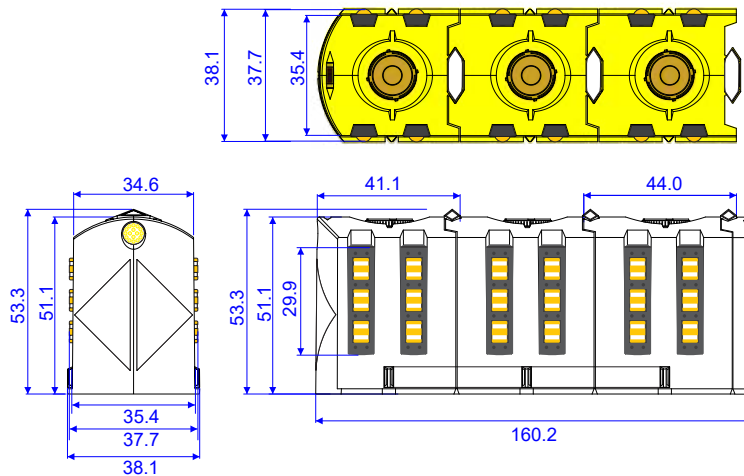
Features

- No metal parts.
- Modules with triple container system :
 - Plastic outer container (rotomolding).
 - 2 inner flexible containers with high resistance to tear and punching shear.
- Airtight seal cap with pressure relief valve.
- No water loss through evaporation.
- It doesn't require maintenance to fill with water.
- Each module has a pair of side rollers manufactured in intrusion molding solid plastic.
- Rail for floor anchoring.

ABSORB 130 WITH ROLLERS

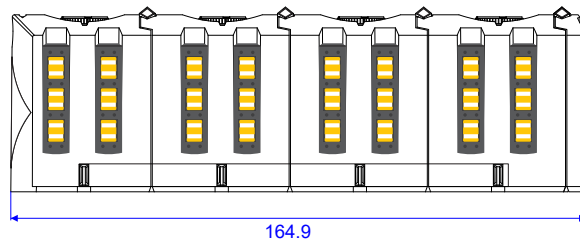
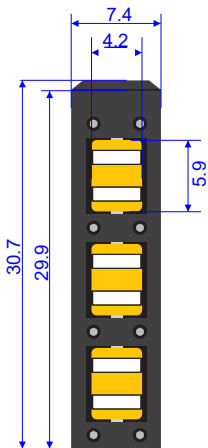
IMPACT ATTENUATOR WITH TRIPLE CONTAINER MODULES

Code: ABSORB-130X

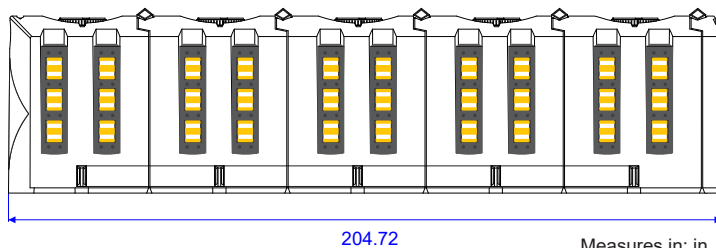


Test Level: TL-1
 Speed: 31 mph.
 Empty Weight: 330 lb.
 Weight with water up to 80 %: 5,665.88 lbs
 1 Front module
 2 Universal Modules
 1 Final Module

ROLLER SYSTEM



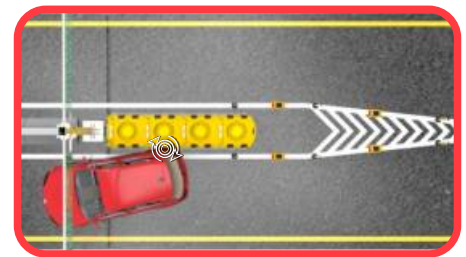
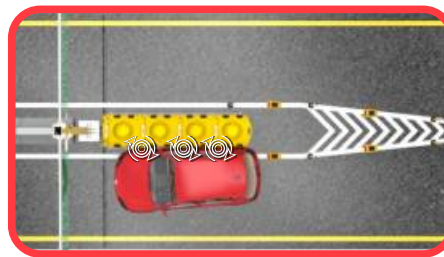
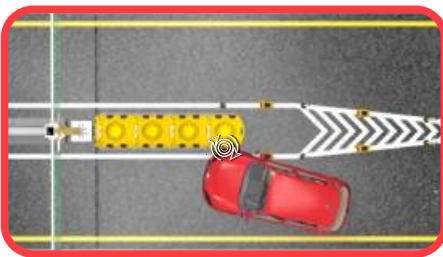
Test Level: TL-2
 Speed: 43 mph.
 Empty Weight: 440 lb
 Weight with water up to 80 %: 7,594.925 lbs
 1 Front Module
 3 Universal Modules
 1 Final Module



Test Level: TL-3
 Speed: 62 mph.
 Empty Weight: 551 lb
 Weight with water up to 80 %: 9,523.97 lbs
 1 Front Module
 4 Universal Modules
 1 Final Module

Measures in: in

Coupling System



Features

- Absorb 130 is integrated by a front module, along with universal modules, depending the number of modules this can get to a test level TL-3 in accordance with the NOM-008-SCT2-2013 standard and close with an end cap to provide support when filled with water.

Modules are assembly through a coupling system designed specially to all the modules work together without separating at the moment of the impact.

- The new "IMPACT ATTENUATOR BY TRIPLE CONTAINER MODULE SYSTEM" consists that each module is integrated by an outer container which on the inside has a second flexible container, and this second has on its inside a third flexible container which is filled with water up to 80% of capacity of the outer container.
- The inner flexible containers have a security valve and airtight seal filling that avoid loss of water through evaporation and facilitates its filling.
- The outer containers of the modules are manufactured in medium density polyethylene with UV-protection that offer a great resistance to environment exposure.
- Front module has a solar flashing light that makes this device visible at great distance.
- The cylinder system absorb the force of vehicle impact through a controlled spin of self braking roller series that redirect vehicle to vehicular stream, reducing the death rate and the severity of injuries in highways, high and low speed tracks.
- ABSORB 130 is ideal for highways, high speeds roads, and is designed to avoid vehicles collision against elements as bridge structures, toll booths, posts, trees, et al; absorbing or cushioning the strength of the impact and reducing speed of vehicles in the most safe and controlled manner, helping to reduce gravity of the suffered injuries in this type of accidents.