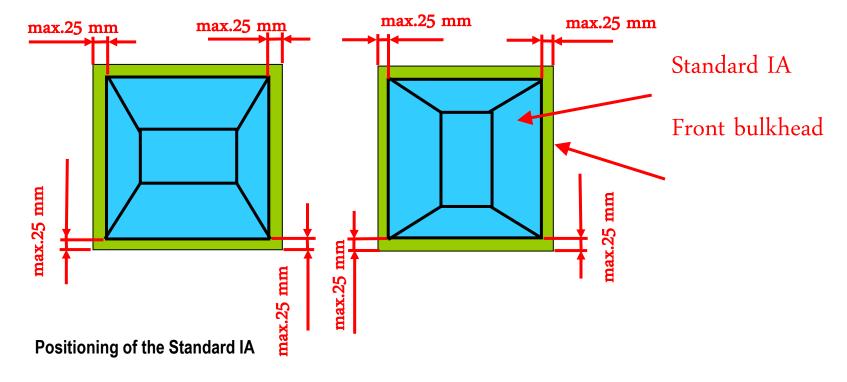
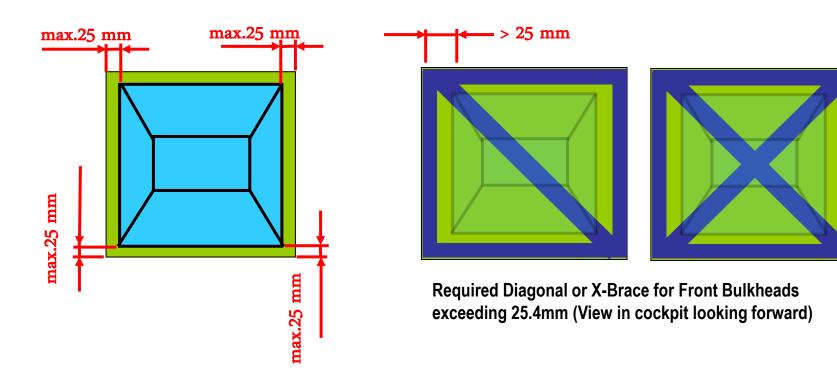


- The 2012 (Type 12) Attenautor is geometrically similar to the 2011 (Type 11)
- For 2012 attenuators purchased in either 2011 or 2012 may be used since they are identical
- There is a new requirement for 2012 that a diagonal tube must be included in the front bulkhead unless the size of the front bulkhead is within 25mm (1 inch) on each side of the standard attenuator – see next page

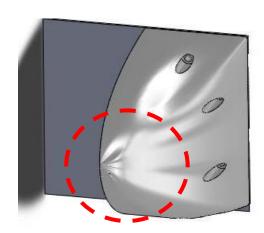
- The standard attenuator may be mounted in either orientation
- If any dimensions exceeds the values given below an additional diagonal must be incldued in the front bulkhead – see next page
- The diagonal tube is required for front bulkheads larger than that shown below because the anti-intrusion plate would deflect more than allowed by B3.21.9



- If the front bulkhead exceeds the 25mm (1 inch) requierment on any side than at least on additional diagonal tube must be included in the front bulkhead
- The tube(s) must meet the requirment of 3.3.1 Front Bulkhead Tubing or equivalent
  - Round 1.0 inch (25.4 mm) x 0.049 inch (1.25 mm)
  - See Rule 3.3.1 for other options



 No modifications to the attenuator geometry are permitted besides the fillets/radii included on the drawing



**NOT PERMITTED:** changed design or dimensions for Standard IA TYPE12

 The following details should be submitted with the impact attenuator data submission

#### **Description of:**

- Design of IA and positioning to AIP (dimensions)
- Dimension of the front bulkhead
- Design of AIP (material, thickness, dimensions)
- Attachment method of the IA to the AIP
- Attachment method of the AIP to the front bulkhead
- Receipt of the material, a packing slip or letter of donation
- Pictures of attachment to the car