

SAFE BARRIERS

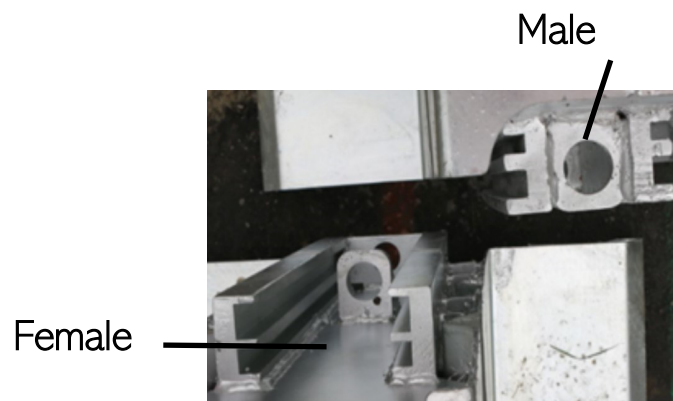
Quick Installation Guide Defender Barrier

Suggested Tools

- ◆ Grease/Lubricant for MALE/FEMALE if required
- ◆ Rated Straps/Chains for lifting barriers
- ◆ Tools required to install crash cushions

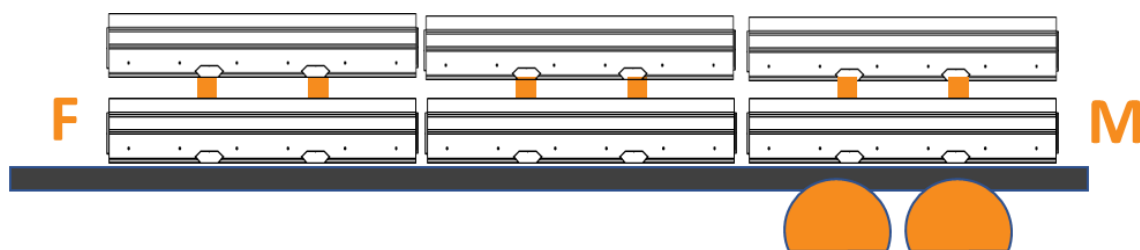
ADD For Anchored Installation

- ◆ Drill/Drill Bits 32-35mm max x 500 mm long
- ◆ Compressor to blow clean holes
- ◆ Sledge Hammer for pins if required



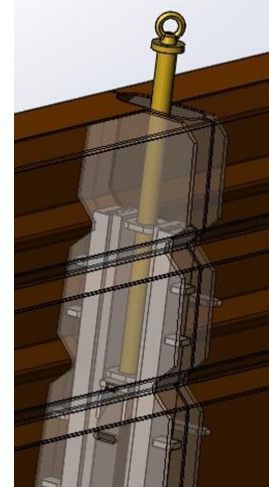
Loading

Barrier with 'transition' attached ('female' end exposed) should be on the first truck and will be the first barrier deployed.



Installing

- ◆ Place barrier with female end exposed and 'transition' attached at the start.
- ◆ Continue install Male into Female .
Use grease or lubricant if barrier joints are new or stick
- ◆ Insert Connector Pin at each barrier
- ◆ Install the barrier with 'transition' attached ('male' end exposed) if required.
- ◆ Connect the crash cushion to the transitions according to manufacturers instructions.



SAFETY:

When unloading the truck always take the outside barriers first. The centre barrier last.

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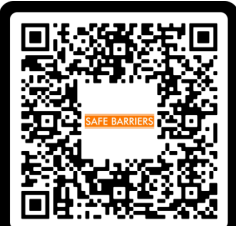


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Anchoring

Defender Barriers without ballast boxes must be anchored.

- ◆ Drill 32 mm x minimum 500 mm deep, parallel on each side of the barrier,
- ◆ Blow hole clean as required
- ◆ Insert Pin.



<p>Low Deflection Anchoring</p> <ul style="list-style-type: none"> ◆ Pin every 2nd barrier  <p>LDS Layout</p>	<p>High Containment Anchoring</p> <ul style="list-style-type: none"> ◆ Pin every 12th barrier  <p>HC Layout</p>	<p>Full Technical Detail</p> <ul style="list-style-type: none"> ◆ Down Load Centre  <p>Downloads</p>
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System is complete only when

- ◆ Crash Cushion is attached using an accepted transition.
 - ◆ Water filled crash cushions are filled with water to manufacturers instructions.
- OR
- ◆ Anchored crash cushions are installed to manufacturers instructions.