

# Jack-up Type Floating Flooring System

**J**ack-up type floating flooring system, the most fool-proof and safest way to establish the air gap. Plastic sheeting is placed on the sub-floor as a breaker layer, isolators are placed on the plastic sheeting, reinforcing steel or mesh rests on the isolator housings, and the concrete floor is poured. After the concrete has cured, the slab is lifted to elevation by turning adjustment bolts above each isolator to any specified air gap between 1-inch and 4-inches.

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## "MASON" Type FSN

Floating Floor Neoprene Jack-up Mountings

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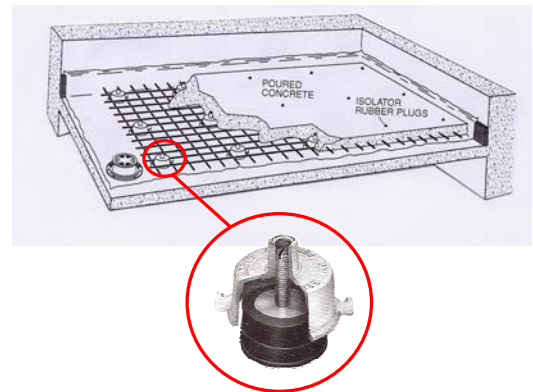
Bell shaped castings with integral lugs to locate reinforcing, shrouding 2-inches (50mm) thick Du Pont neoprene isolators molded to AASHO bridge bearing. All housings shall have 3/4-inch (20mm) minimum diameter jackscrews. The most advantageous way of using the jack-up system is that no possibility of short-circuit with structure and no future settlement problem.

### Features

- ◆ Design static deflection is around 7.0mm
- ◆ Estimated vibration isolation efficiency over 85% at 25Hz excitation frequency with suitable model selection
- ◆ Natural Frequency of the system is around 10Hz

### Applications

- ◆ Suitable for application at lift machine room or floating floor with special air gap requirements



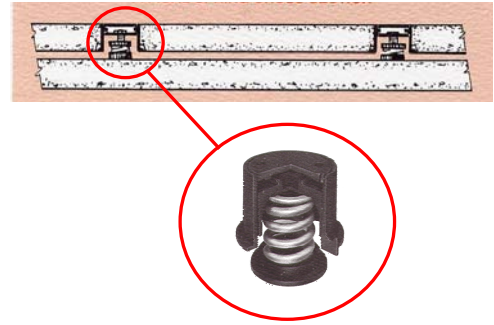
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## "MASON" Type FS

Spring Jack-up Mounts for Concrete Floating Floors

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Casting or weldments consisting of an internally threaded outer housing complete with lugs to support the reinforcing system. The inner inverted cup shaped housing shall be externally threaded. The springs are compressed and the floor lifted by turns of the internal housing. Spring shall be seated in neoprene cups and housings shall have removable cover plates.



### Features

- ◆ Design static deflection is around 20.0mm
- ◆ Estimated vibration isolation efficiency over 95% at 25Hz excitation frequency
- ◆ Natural Frequency of the system is around 4Hz

### Applications

- ◆ Suitable for application with impact loading on floating slab, e.g. gymnasium with weight training, basketball court, etc