

## TEST LOADINGS AND APPLIED FORCES

## TEST PROCEDURES

container. The forces shall be applied first towards and then away from the top corner fittings. In the case of containers in which each end is symmetrical about its own vertical centreline, one side only need be tested, but both sides of containers with asymmetric ends shall be tested.

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### 5. LONGITUDINAL RESTRAINT (STATIC TEST)

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When designing and constructing containers, it must be borne in mind that containers, when carried by inland modes of transport may sustain accelerations of 2 g applied horizontally in a longitudinal direction.

#### Internal loading:

A uniformly distributed load, such that the combined weight of a container and test load is equal to the maximum operating gross weight or rating, R.

The container having the prescribed INTERNAL LOADING shall be restrained longitudinally by securing the two bottom corner fittings or equivalent corner structures at one end to suitable anchor points.

#### Externally applied forces:

Such as to subject each side of the container to longitudinal compressive and tensile forces of magnitude R, that is, a combined force of 2R on the base of the container as a whole.

The EXTERNALLY APPLIED FORCES shall be applied first towards and then away from anchor points. Each side of the container shall be tested.

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### 6. END-WALLS

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The end walls should be capable of withstanding a load of not less than 0.4 times the maximum permissible payload. If, however, the end walls are designed to withstand a load of less or greater than 0.4 times the maximum permissible payload such a strength factor shall be indicated on the Safety Approval Plate in accordance with Annex I, Regulation 1.