

TEST LOADINGS AND APPLIED FORCES

TEST PROCEDURES

3. CONCENTRATED LOADS

(b) ON FLOOR

Internal loading:

Two concentrated loads each of 2,730 kg (6,000 lb.) and each applied to the container floor through a contact area of 142 cm² (22 sq. in.)

The test should be made with the container resting on four level supports under its four bottom corners in such a manner that the base structure of the container is free to deflect.

A testing device loaded to a weight of 5,460 kilogrammes (12,000 lbs.) that is 2,730 kg (6,000 lbs.) on each of two surfaces having, when loaded, a total contact area of 284 cm² (44 sq. in.) that is 142 cm² (22 sq. in.) on each surface, the surface width being 180 mm (7 in.) spaced 760 mm (30 in.) apart, centre to centre, should be manoeuvred over the entire floor area of the container.

Externally applied forces:

None.

4. TRANSVERSE RACKING

Internal loading:

None.

The container in tare condition shall be placed on four level supports one under each bottom corner and shall be restrained against lateral and vertical movement by means of anchor devices so arranged that the lateral restraint is provided only at the bottom corners diagonally opposite to those at which the forces are applied.

Externally applied forces:

Such as to rack the end structures of the containers sideways. The forces shall be equal to those for which the container was designed.

The EXTERNALLY APPLIED FORCE shall be applied either separately or simultaneously to each of the top corner fittings on one side of the container in lines parallel both to the base and to the planes of the