

Product Information

TNJ-019 Impact Tester - Durability on chair seat, table, and bed

1) Purpose of equipment

Tester machine for durability on chair seat, table, and bed based on BS EN

2) Standard :

- Seat impact test (BS EN 1728:2012, Clause 6.24)
- Vertical impact test (BS EN 1730:2012, clause 6.6)
- Impact test on bed base (BS EN 747-2:2012+ A1: 2015, clause 5.4.4)
- Vertical impact test (BS EN 1725: 1998 , Clause 7.4)



2) Quantity required

One(1) unit- standard BS EN

3) Technical specifications

a. Vertical post and cross bar

-To hold cylinder/impactor

b. Pneumatic cylinder

-To hold, release and raise the impactor

-Height: Adjustable height up to 300mm (adjustable)

c. Impactor consists of (refer attachment):

-Circular body –200 mm in diameter, separated from the striking surface by helical compression springs

and free to move relative to it on a line perpendicular to the plane of the central area of the striking

surface. The body and associated parts minus the springs shall have a mass of (17 ± 0.1) kg and the whole

apparatus including mass, springs and striking surface shall have a mass of (25 ± 0.1) kg.

-Spring – the nominal spring rate of the combined spring system is (7 ± 2) N/mm and the total friction resistance of the moving parts is less than 1 N. The spring system shall be compressed to an initial force of (1040 ± 5) N (measured statistically) and the amount of spring compression point to the point where the springs become fully closed shall be not less than 60 mm.

-Striking surface- shall be a rigid circular object, 200 mm in diameter, the face of which has a convex spherical curvature of 300 mm radius with a 12 mm front edge radius.
d. On/Off switch, machine can be operated manually

EN1728 Impactor:

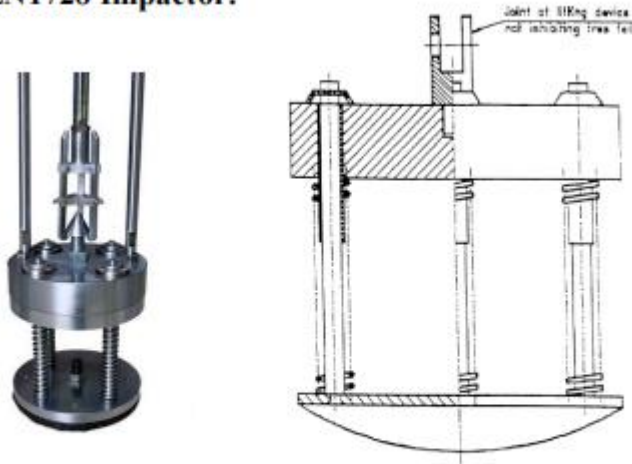


Figure 5 — Impactor

4) Features :

Our furniture instrument competitive features :

1. European standard aluminum profile
(Thickness and strength 5 times higher than industry)
2. U.S.-origin high-precision force sensors
3. A des a cylinder
4. Portable magnet retainer
5. Customize the 1 to 1 load block to standard