

## BALL Penetration Test Probes

**BALL penetration probes suitable for compression penetration tests on fruits, vegetables and other foodstuffs.**

BALL probes in stainless steel with mounting system to the M6 Load Cell and capacity up to 500 N:

- 1 Stainless Steel Probe with BALL contact terminal of 2 mm Ø
- 1 Stainless Steel Probe with BALL contact terminal of 4 mm Ø
- 1 Stainless Steel Probe with BALL contact terminal of 6 mm Ø
- 1 Stainless Steel Probe with BALL contact terminal of 8 mm Ø
- 1 Stainless Steel Probe with BALL contact terminal of 10 mm Ø
- 1 Stainless Steel Probe with BALL contact terminal of 1/4 inch. Ø
- 1 Stainless Steel Probe with BALL contact terminal of 1/2 inch. Ø
- 1 Stainless Steel Probe with BALL contact terminal of 3/4 inch. Ø
- 1 Stainless Steel Probe with BALL contact terminal of 1 inch. Ø

*\* Other Dimensions on request*



### Description

Two fundamental criteria for a good test are repeatability and resolution for comparison between results. In many cases where sample hardness / softness is required, a ball probe can provide repeatability and resolution. The principle of the spherical probe is that the uniform compressive force is distributed at a normal angle with respect to the surface area of the ball. This gives an average effect on the local area being tested.

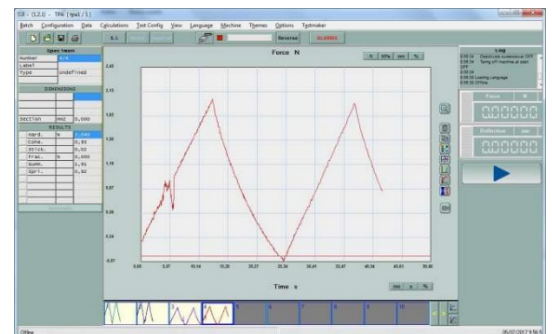
### Applications

With a 3-point bending test device allows pressure testing of various products such as fruits, biscuits, snack products and chocolate. Offers variable spans of up to 80mm with graduated markings for easy adjustment. The supports are 6 mm in diameter. Tests with this test device can allow measurements for resistance to crack and crunch stress.

### Recommended Testing Machine:



**Texturometer FTM-50**



**MetroTEST Testing Software**  
(with TPA Texture Profile Analysis)

