



## COMPRESSION PLATES SET "PC.r/AL"

This Set of Plates incorporated into a Texturometer is used to perform tests of resistance to compression (non-destructive and destructive) of food, sandwiches, fruits, food packaging ...

## GENERAL INFORMATION

The compression test can be carried out with a variety of compression plates, choosing a plate size that is larger than the final diameter of the sample once full compression is achieved.

Two types of tests can be performed:

1. The **non-destructive** compression test is low force, so there is no fracture or break of the sample, it is a deformation of the sample such as hand tightening
2. **Destructive**: the level of force is increased until the specimen fractures or breaks

Plates available between 56 and 296 mm Ø

It is also possible to carry out compression tests on food containers and packaging, bottles, jars, glasses ...

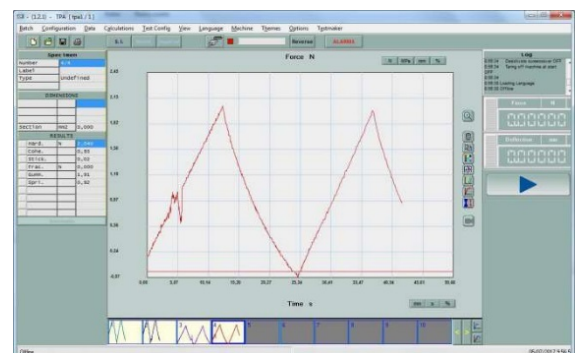
## APPLICATIONS

This test KIT is used incorporated into a Texturometer to carry out compression resistance tests on a wide variety of foods, and it is also possible to test the food containers themselves.

Typical results are:

<b>Maximum Strength:</b>	<b>HARDNESS</b>
<b>Breaking Strength:</b>	<b>FRACTURABILITY</b>
<b>Deformation at Break:</b>	<b>ELASTICITY / FLEXIBILITY</b>

Recommended Testing Machine:



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

### PC.r/AL ALUMINUM Compression Plates

- Anodized aluminum
- Temperature range: -70 ° C to + 180 ° C
- Maximum capacity, depends on coupling size

### Order information

Scope of supply: 1 pair of plates

Item	Diameter	Weight / each plate
PC.r/56-B-AL	56 mm	~0.1kg
PC.r/96-B-AL	96 mm	~0.3kg
PC.r/116-B-AL	116 mm	~0.4kg
PC.r/156-B-AL	156 mm	~0.6kg
PC.r/196-B-AL	196 mm	~1.2kg
PC.r/246-B-AL	246 mm	~1.5kg
PC.r/246-B-AL	296 mm	~3.3kg

\* Plates with other dimensions and surfaces on request

### Examples of Compression Plates PC.r (in Steel)

#### PC.r/156-Af30-St

Diameter: 156 mm  
30 mm Female Adapter Steel, black, hardened 58 HRC



#### PC.r/56-Af159-Ni

Diameter 56 mm  
15.9 mm female adapter Steel, nickel plated, hardened 58 HRC

