

SIMPLE  
RELIABLE  
UNIQUE

The unique concept of 3D crackmeter makes it one of the most popular of its kind.

### Description

The 3D crackmeter **RTV-3D** consist of 2 metallic pieces in an elbow shape. Each elbow has a pair of spherical reference markers opposed two by two on the three orthogonal axes .

Measurements are taken with a caliper between opposed spherical markers on each elbow. Relative movements between each elbow is given by comparing measurements over time.

The 3D Crackmeter **RTV-3D** is a purely mechanical instruments used to measures relative movements between two surfaces in the 3 orthogonal axes.

### Advantages

- Very robust
- Direct reading with the use of a caliper
- Easy installation and use
- Instalation on all kinds of surface
- Reusable

### Applications

- Surface movements on each side of a concrete join
- Crack monitoring in concrete, masonry and any other structures
- Displacement of rock mass in the 3 dimensions

### Specifications

#### Accuracy (general)

With a digital caliper  $\pm 0.02$  mm

With a mechanical caliper  $\pm 0.04$  mm

#### Maximum relative displacement

Axe X (open/close) 50 mm / 40 mm

Axe Y (open/close) 30 mm /  $\infty$

Axe Z (open/close) 10 mm /  $\infty$

#### Initial reading (nominals)

Axe X 100 mm

Axe Y 82 mm

Axe Z 65 mm

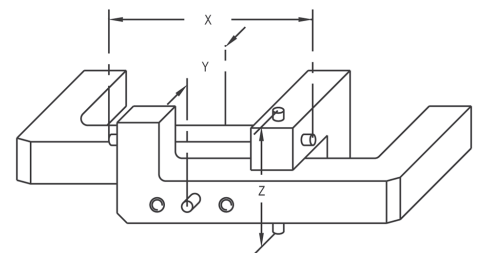
#### Dimensions

Width 210 mm

Length 180 mm

Depth 60 mm

Weight 2.9 kg



Crackmeter measuring axes

### Ordering Information

Please Specify:

- Type of sliding foot