



# FLAT JACKS

**The FLAT JACKS  
is made in accordance with  
all major global standards**

- ASTM D4729 - 08 Standard Test Method for In Situ Stress and Modulus of Deformation Using Flatjack Method
- ASTM C1196 - 09 Standard Test Method for In Situ Compressive Stress Within Solid Unit Masonry Estimated Using Flatjack Measurements
- ASTM C1197 - 09 Standard Test Method for In Situ Measurement of Masonry Deformability Properties Using the Flatjack Method

The use of flat jack investigation methodology is related to a need to evaluate masonry structure quality and, therefore, determine its mechanical characteristics.

The investigation with flat jacks is done through innovative and alternative instruments compared to the traditional survey based on the sampling of the wall, which is considered destructive and more difficult testing.

The jacks, constructed and verified at the DRC production centre, ensure reliability, unbeatable performance and easy to use.

Produced in different shapes and sizes depending on their specific use, these jacks can also be produced to customer specifications if testing conditions so require.

Sheet metal thicknesses, welding type, and connection characteristics can be agreed upon with the customer.



## ■ SPECIFICATIONS

Made of alloy, the components are laser cut and wire welded.

The different families of DRC jacks guarantee performance in terms of very high deformation and considerable impact resistance.

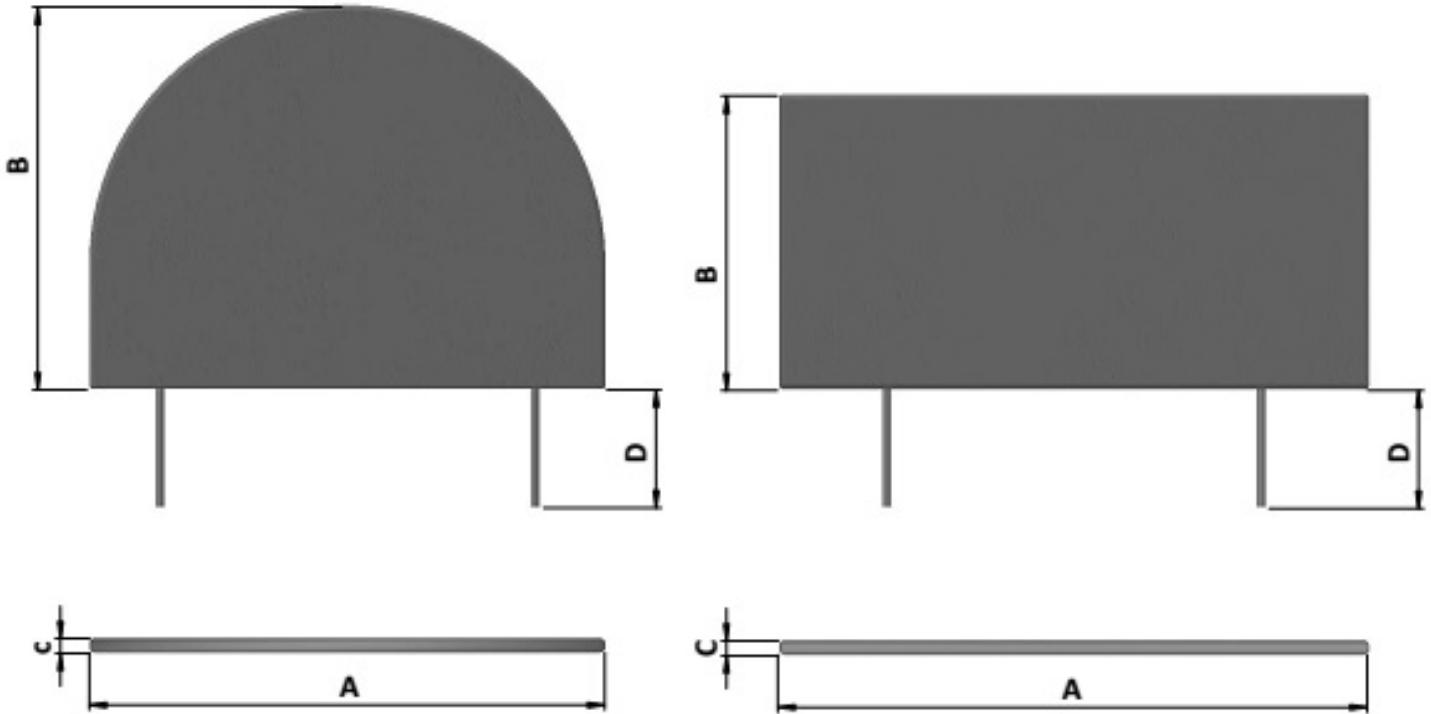
The use of standard components allows the flat jacks produced by DRC to be applied to all types of pressurisation units, making them unique and universal.

## ■ FIELD OF APPLICATION

The flat jack method is mainly directed toward evaluation of the following properties:

- estimation of the stress state of the building structure - Single Jack;
- estimation of the mechanical characteristics of a representative sample of the masonry structure and determination of the modulus of elasticity - Double Jack;
- operating voltages of concrete structures, vaults, passageways.

## SPECIFICATIONS



### Article code

01.DRC.0015

01.DRC.0016

01.DRC.0017

01.DRC.0009

01.DRC.0010

01.DRC.0011

01.DRC.0154

01.DRC.0013

### Shape

RECTANGULAR

RECTANGULAR

RECTANGULAR

SEMI OVAL

SEMI OVAL

SEMI OVAL

SEMI OVAL

SEMI OVAL

### Dimension

(A) 400 x (B) 200 x (C) 3 x (D) 80 mm

(A) 240 x (B) 120 x (C) 3 x (D) 80 mm

(A) 120 x (B) 120 x (C) 3 x (D) 80 mm

(A) 350 x (B) 260 x (C) 3 x (D) 80 mm

(A) 340 x (B) 125 x (C) 3 x (D) 80 mm

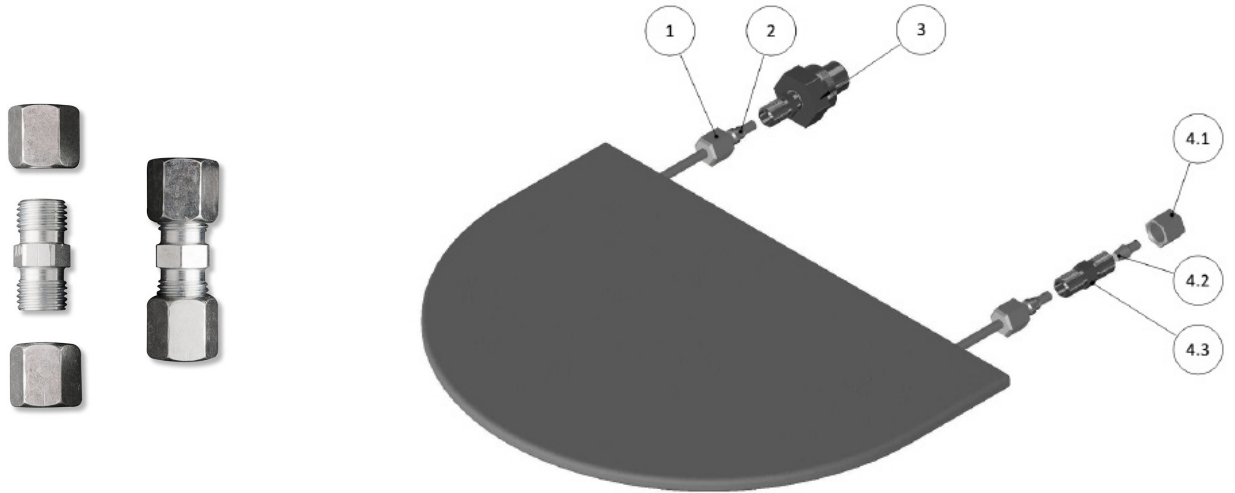
(A) 320 x (B) 125 x (C) 3 x (D) 80 mm

(A) 300 x (B) 120 x (C) 3 x (D) 80 mm

(A) 300 x (B) 150 x (C) 3 x (D) 80 mm

*DRC is able to produce the jacks in different shapes and dimensions depending on the needs of the customer*

## FITTINGS FLAT JACKS



POSITION	ARTICLE CODE	DESCRIPTION
1	01.DRC.0046	Nut
2	01.DRC.0046O	Ogive
3	02.DRC.0002	1/4 NPT join
4.1 - 4.2 - 4.3	01.DRC.0086	Flat jack oil plug

## FLAT JACKS CONNECTED TO THE COMPLETE SYSTEM

