

# CBR motorized loading press



- Max. load: 50 kN
- Test speed: 1.27 mm/min
- Load measurement: by load ring, fitted with 0.001 mm high resolution dial gauge to fulfill the standard requirements
- Complete with adjustable penetration piston and dial gauge 30 mm travel x 0.01 mm division

*This is just one of more than **4.000 products manufactured by CONTROLS**, the global leader of Testing Equipment for the construction industry in three business areas:*

- Concrete and cements;
- Asphalt and bituminous mixtures;
- Soil and rocks.

#### **Our Values:**

- **Innovation:** our efforts are concentrated to comply with the current needs and to anticipate the futures.
- **Relationship:** our target is to start relationship with the clients to identify their needs; our effort is to satisfy these needs.
- **Listening:** we are careful to the market trends to update and improve our projects; we devote energy on changing.
- **Ethics:** we work worldwide respecting the local rules and keeping the promises done.

*Contact us for more information or for support.*

**Standards** ASTM D1883 | BS 1377:4 | NF P94-078 | AASHTO T193 | EN 13286-47 | UNI 10009

The machine feature a rigid two column frame with upper crossbeam, which can be adjusted in height and locked in position with locknuts. The drive force is provided by a mechanical jack housed in the base cabinet which also accomodates the motor and the electric panel. The machine include a precision load ring, 50 kN cap., an adjustable penetration piston and dial gauge. All the load rings are provided with 0.001mm high resolution dial gauge, assuring a strict conformity to the standards. A version without accessories is also available: model 34-T0106 to be completed with other accessories (e.g. digital configuration). See accessories.

The CBR test can also be performed with other models. See the links to other products.

#### Technical specifications

- Maximum load: 50 kN
- Test speed: 1.27 mm/min
- Max ram travel: 120 mm
- Horizontal span: 270 mm
- Power rating: 300 W
- Dimensions (d x w x h): 392 x 495 x 1194 mm
- Weight approx.: 78 kg

#### Ordering information

##### **34-T0106/A**

Bench compression testing machine with motorized ram, two-column structure and adjustable crossbeam. Complete with load ring 50 kN capacity with 0.001 mm resolution dial gauge (strictly conforming to the Standards), CBR piston and penetration depth gauge 30 x 0.01 mm.

230 V, 50 Hz, 1 ph.  
[34-T0106/AY](#)  
 As above but 220 V, 60 Hz, 1 ph.

[34-T0106/AZ](#)  
 As above but 110 V, 50 Hz, 1 ph.

## Machine frame only

### **34-T0106**

CBR motorized loading press, 50 kN cap. Frame only. 230 V, 50 Hz, 1 ph

#### 34-T0106/Y

As above but 220 V, 60 Hz, 1 ph.

#### 34-T0106/Z

As above but 110 V, 50 Hz, 1 ph.

## Accessories

### Suitable for machine frame only in analogical configuration:

#### **34-T0103/3**

CBR penetration assembly complete with holder and dial gauge (30 mm travel, 0.01 mm divisions).

### Alternative configuration

#### **34-T0103/3C**

CBR penetration assembly complete with holder and dial gauge (10 mm travel, 0.01 mm divisions).

#### **82-T1009/C**

Load ring 50 kN cap., 0.01mm dial gauge

### The 34-T0106 frame can be equipped in digital mode with the following accessories.

#### **34-V0107/CBR**

Test set to perform the CBR test in digital mode, including:

82-P0375 Load cell, 50 kN capacity

82-P0375/C Adapter to fit load cell (two pieces)

82-P0322 Displacement transducer, 25 mm travel

34-T0104/81 Adjustable transducer holder

34-T0103/1 Adjustable CBR penetration piston

#### **82-P60R02**

DIGIMAX TOUCH, Touchscreen 4-channel readout and processing unit for load and displacement sensors. Suitable for CBR, Marshall, Indirect tensile and general purpose tests.

110-240 V, 50-60 Hz, 1 ph.

#### **82-SW/CMU**

PC software for CBR, Marshall, Indirect tensile and general purpose tests.

## Spare parts

#### **34-T0103/1**

Adjustable penetration piston

#### **82-D1257**

Dial gauge 30 mm travel, 0.01 mm divisions

#### **34-T0104/81**

Dial gauge holder



CBR loading press 34-T0106 Frame only



CBR loading press equipped with CBR mould and digital data acquisition system (DIGIMAX TOUCH acquisition unit)



Detail of CBR penetration assembly part of 34-T0106/A press: adjustable penetration piston, dial gauge and dial gauge holder

