

E142**DIGITAL PULL-OFF (BOND) STRENGTH TESTER.** CAPACITY: 16 KN

STANDARDS: EN 1542, EN 1348, EN 1015-12, 12004-2, EN 13687-2, EN 13963, EN 14496 | BS 1881-207 | ISO 4624

This dynamometer measures the adhesive force and the tensile strength of two layers of materials (concrete, facing plasters, mortars, building plasters, lime etc.) and is particularly suitable for applications concerning testing repairs of any structure where the bond strength between two layers is an essential factor.

Compact, light, for use in any location, this Pull-Off Tester is fitted with a load cell and high resolution large digital display unit; it is therefore suitable for measurements from low loads up to 16 kN, granting a wide working range and ideal for a large number of applications and materials. The direct tensile force is applied by rotating the hand wheel.

The three feet of the unit can be fixed in the **large** position (circumference with 176 mm diameter) with very stable bearing, or in the **compact** position (circumference with 92.5 mm diameter), to perform tests in narrow spaces or for specimens close one to the other.

Specifications:

- Resolution: 10 N
 - Working range: 0.25 to 16 kN
 - Accuracy and repeatability: better than $\pm 1\%$
 - Complete with traceable calibration certificate
 - Battery operated
 - Serial port for PC connection
 - Hand wheel rounds: 60 with mechanical round/counter
 - Graphic indication of the applied load rate
 - Seat ball assuring axial/central load application
- Supplied complete with carrying case, but **without** accessories to perform the test, which have to be ordered separately.

To perform the test a common electric drill is required.

Dimensions: 460x280x370 mm

Weight: 10 kg approx.

**E142-01****DIGITAL PULL-OFF TESTER** CAPACITY: 5 KN

Identical to mod. E142 but with load cell and digital display range 0-5 kN for more accurate measurements on low strength values

ACCESSORIES

- E142-10** SOFTWARE to download test results.
- E143** ADHESION TEST ALUMINIUM DISC 20 mm \varnothing by 21 mm thick (n° 10 pieces). Compliant to ISO 4624
- E143-01** ADHESION TEST ALUMINIUM DISC 50 mm \varnothing by 31 mm thick (n° 10 pieces). Compliant to EN 1542, 1015-12, 13687-2
- E143-10** ADHESION TEST STAINLESS STEEL DISC 50 mm \varnothing by 21 mm thick (n° 10 pieces). Compliant to EN 1542, 1015-12, 13687-2
- E143-13** ADHESION TEST ALUMINIUM DISC, square, 50x50 mm, 21 mm thick (n° 10 pieces)
Compliant to EN 1348, EN 12004-2
- E143-11** CYLINDRICAL RING, having truncated cone shape, inside \varnothing 50 mm
Standard: EN 1015-12
- E143-02** DRILL BIT WITH CENTERING BIT, for the preparation of the test surface, external \varnothing 25 mm
- E143-03** DRILL BIT WITH CENTERING BIT, for the preparation of the test surface, external \varnothing 57 mm

SPARE

- E143-09** Tie rod with spheric head for Disc/Dynamometer coupling.

