

# elcometer® **181 Mechanical Concrete Test Hammer**

Can be used in accordance with  
**ISO 8045,**  
**ASTM C805, EN 12504-2, BS 1881:202, DIN 1048, NFP18-417, UNI 9189**



This simple to use gauge consists of a spring loaded plunger which, when released, strikes the surface with fixed and constant impact energy. During the rebound stroke, the mass moves a pointer that indicates the maximum point of return and at the same time indicates a reference value called Rebound Number.

This number, converted by the correlations available on the hammer, gives the compression resistance value in respect of the impact angle.

- Impact Energy 2.207 Nm
- Supplied with abrasive stone to prepare test surface
- Aluminium body
- Rebound value indicated on test hammer
- Rebound value chart on body, for quick calculation of compressive strength
- Curve selection on chart dependant on testing angle

The concrete hammer, often called a rebound hammer, is supplied with plastic carrying case, grinding stone, calibration certificate and instructions.

## Technical Specifications

<b>Impact Energy</b>	2.207 Nm
<b>Accuracy</b>	Better than +/- 2 Rebound Number (When tested on Calibration Anvil at 80)
<b>Resolution</b>	2 Rebound Number(s)
<b>Range</b>	10 to 100 Rebound Number
<b>Dimensions</b>	Hammer: 280mm length x 55mm diameter In Case: 350mm length x 80mm diameter
<b>Weight</b>	1.5kg (3.3lbs) with case
<b>Shipping List</b>	Hammer, abrasive stone, calibration certificate and case

## Part Numbers - Spares

Model	Description	Part Number
<b>Elcometer 181/1</b>	Elcometer 181 Mechanical Concrete Test Hammer - MPa / PSI Scale	W181----1
<b>Accessories</b>	Calibration Certificate	TWCAL-181
	Calibration Anvil (supplied complete with calibration certificate for the hardness of impact point)	TW99919226
	Calibration Certificate for Calibration Anvil, traceable to EN12504-2	TWCAL-19226

