



CERTIFICATE CALIBRATION

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Test Hammer

Standards and Regulations Applied

- ISO/DIS 8045 International
- EN 12 504-2 Europe
- ENV 206 Europe
- BS 1881 , part 202 Great Britain
- DIN 1048 , part 2 Germany
- ASTM C 805 USA
- NFP 18-417 France
- B 15-225 Belgium
- JGJ/ T 23-2011 China
- JJG 817-2011 China



The compressive strength measured in a pressure Testing machine depends on the shape and size of the sample.

The samples prescribed for use in the particular country must be taken into account when converting the rebound value R into Compressive strength.

In the conversion curves on page 7 to page 11 manual, the values for compressive strength are specified for cylinders (150 * 300 mm or 6" * 12") and for cubes (length of side 15 cm) . The following shape coefficients are familiar from the literature:

| | | | |
|-------------------|------------------------|--------------|--------------|
| Cube | 150mm | 200mm | 300mm |
| Shape Coefficient | 1.00 1.25 | 0.95 1.19 | 0.85 1.06 |
| Cylinder | 150*300 mm 6" * 12" | 100*200 mm | 200*200 mm |
| Shape Coefficient | 0.80 1.00 | 0.85 1.06 | 0.95 1.19 |
| Drill Core | 50*56 mm | 100*100 mm | 150*150 mm |
| Shape Coefficient | 1.04 1.30 | 1.02 1.28 | 1.00 1.25 |

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Jack Nee