

JIS

JAPANESE INDUSTRIAL STANDARD

Method of Obtaining and Testing Drilled Cores and Sawed Beams of Concrete

JIS A 1107 —1978

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Translation without guarantee
In the event of any doubt arising, the original
standard in Japanese is to be evidence

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Method of Obtaining and Testing Drilled
Cores and Sawed Beams of Concrete

A 1107-1978

1. Scope

This Japanese Industrial Standard specifies the tests on the compressive strength of cores drilled from the concrete and flexural strength of beams sawed from the concrete, as well as on the compressive strength using portions of beams broken in flexure.

Remark: In this standard, units and numerical values given in { } are in accordance with the International System of Units (SI), and are appended for reference.

2. Time and Methods of Cutting Out Specimens

The time and methods of cutting out specimens shall be as follows:

- (1) The cores or beams shall not be cut out until the time ⁽¹⁾ the concrete has become hard enough to permit cutting out operation without disturbing the bond between the coarse aggregate and the mortar.

Furthermore, the cutting out operation shall be so made as neither to cause damage of specimens nor to loosen the coarse aggregate in cutting.

Note ⁽¹⁾ In general, the age of concrete should be 14 days or older.

- (2) A core drill for concrete shall be used to cut out the cores.

Applicable Standards:

JIS A 1106-Method of Test for Flexural Strength of Concrete

JIS A 1108-Method of Test for Compressive Strength of Concrete

JIS A 1114-Method of Test for Compressive Strength of Concrete Using
Portions of Beams Broken in Flexure

JIS A 1132-Method of Making and Curing Concrete Specimens