

Indian Standard

REFRACTORY PRODUCTS — MEASUREMENT OF DIMENSIONS AND EXTERNAL DEFECTS OF REFRACTORY BRICKS

PART 1 DIMENSIONS AND CONFORMITY TO DRAWINGS

1 Scope

This part of ISO 12678 describes apparatus and specifies simple methods for routine measurement of dimensions of refractory bricks. It also specifies methods for inspection of conformity to shape, determining concavity, convexity and out-of-squareness. It does not establish criteria for acceptance or rejection of bricks.

The application of these methods is limited to standard shapes in accordance with ISO 5019-1 to ISO 5019-6 and ISO 5417, unless otherwise agreed.

2 Normative references

The following standards contain provisions which, through reference in this text, constitute provisions of this part of ISO 12678. At the time of publication, the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this part of ISO 12678 are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 5019-1 : 1984, Refractory bricks - Dimensions - Part 1: Rectangular bricks.

ISO 5019-2:1984, Refractory bricks - Dimensions - Part 2: Arch bricks.

ISO 5019-3: 1984, Refractory bricks - Dimensions - Part 3: Rectangular checker bricks for regenerative furnaces.

ISO 5019-4: 1988, Refractory bricks - Dimensions - Part 4: Dome bricks for electric arc furnace roofs.

ISO 5019-5:1984, Refractory bricks - Dimensions - Part 5: Skewbacks.

ISO 5019-6: 1984, Refractory bricks - Dimensions - Part 6: Basic bricks for oxygen steel-making converters.

ISO 5417:1986, Refractory bricks for use in rotary kilns - Dimensions.