

ISO

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION

ISO RECOMMENDATION R 1145

DIMENSIONS OF REFRACTORY ARCH BRICKS

1st EDITION

November 1969

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BRIEF HISTORY

The ISO Recommendation R 1145, *Dimensions of refractory arch bricks*, was drawn up by Technical Committee ISO/TC 33, *Refractories*, the Secretariat of which is held by the British Standards Institution (BSI).

Work on this question led to the adoption of a Draft ISO Recommendation.

In December 1967, this Draft ISO Recommendation (No. 1439) was circulated to all the ISO Member Bodies for enquiry. It was approved, subject to a few modifications of an editorial nature, by the following Member Bodies :

Australia	Israel	Sweden
Austria	Italy	Thailand
Canada	Japan	Turkey
Denmark	Netherlands	U.A.R.
France	New Zealand	United Kingdom
Germany	Poland	U.S.A.
Greece	Romania	U.S.S.R.
Hungary	South Africa, Rep. of	Yugoslavia
India	Spain	

One Member Body opposed the approval of the Draft :

Portugal

This Draft ISO Recommendation was then submitted by correspondence to the ISO Council, which decided, in November 1969, to accept it as an ISO RECOMMENDATION.

DIMENSIONS OF REFRACTORY ARCH BRICKS

INTRODUCTION

In consequence of the decision to adopt a recommended series of rectangular refractory bricks, consideration has been given to defining two series of refractory arch bricks, which are derived from the corresponding rectangular brick series*. Although certain countries have a preference at the present time for arch bricks with the basic dimension at the larger end of the taper, it has been thought desirable to facilitate production and marketing procedures by using the median as the basic dimension, so that bricks of various tapers should have the same volume.

For the time being, however, bricks with the basic dimension at the larger end of the taper are recognised.

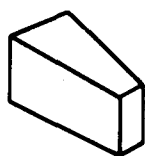
1. SCOPE

This ISO Recommendation defines the dimensions of preferred sizes of refractory arch bricks.

2. RECOMMENDED SIZES

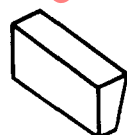
The recommended sizes of refractory arch bricks are as follows :

End arch



230 mm × 114 mm × 66/62 mm
 230 mm × 114 mm × 69/59 mm
 230 mm × 114 mm × 72/56 mm
 230 mm × 114 mm × 76/52 mm

Side arch



230 mm × 114 mm × 67/61 mm
 230 mm × 114 mm × 69/59 mm
 230 mm × 114 mm × 72/56 mm
 230 mm × 114 mm × 76/52 mm

3. TOLERANCES

Tolerances on the above-mentioned sizes should be the subject of agreement between the manufacturer and the purchaser.

* See ISO Recommendation R 475, *Dimensions of rectangular refractory bricks*.