International Standard



INTERNATIONAL ORGANIZATION FOR STANDARDIZATION+ME# CHAROPHAR OPFAHUSALUN TO CTAHDAPTUSALUN+ORGANISATION INTERNATIONALE DE NORMALISATION

Refractory bricks for use in rotary kilns — **Dimensions**

Briques réfractaires à utiliser dans les fours rotatifs - Dimensions

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Descriptors : kilns, refractory materials, bricks, dimensions.

Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for approval before their acceptance as International Standards by the ISO Council. They are approved in accordance with ISO procedures requiring at least 75 % approval by the member bodies voting.

International Standard ISO 5417 was prepared by Technical Committee ISO/TC 33, Refractories.

Users should note that all International Standards undergo revision from time to time and that any reference made herein to/any other international Standard implies its -9e8e-438c-a7d7latest edition, unless otherwise stated. b8fa5dfa2544/iso-5417-1986

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Refractory bricks for use in rotary kilns – Dimensions

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0 Introduction

2 Dimensions ISO 5417:1986

In preparing this International Standard an attempt has been ds/sist The dimensions of basic, fireclay and high alumina refractory made to reduce the number of brick dimensions below those at present being used.

1 Scope and field of application

This International Standard specifies a range of dimensions of basic, fireclay and high alumina refractory bricks for use in rotary kilns.

It does not apply to special closure bricks for use in completing circles.

 $\mathsf{NOTE}-\mathsf{A}$ standard system of hot-face identification marking is in course of preparation.

If a longer brick is required, the use of a brick with length L of 250 mm is strongly recommended.

It is recognized that bricks having a cold face dimension A of 90 mm are still used in certain countries.

3 Tolerances

Tolerances on the dimensions shall be the subject of agreement between the purchaser and the supplier.

NOTE — Experience has shown that, in the lining of rotary kilns, the tolerance on the length L is of particular importance.

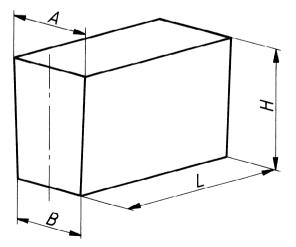
| Designation | Dimensions (mm) | | | | | Deviewetiew | Dimensions (mm) | | | |
|---|-----------------|--|---------------------|------------------------------|-------------|--|--------------------------------------|--------------------------------------|-----|-----|
| | A | В | Н | L | Designation | A | В | Н | L | |
| 216 316 | 103 | 86,0 92,0 | 160 | 198 | | B 216 B 416 | 78 75 | 65 68 | 160 | 198 |
| 416 516 716 | | 94,5 96,5 98,3 | | | | B 218 B 318 B 418 | 78 76,5 75 | 65 66,5 68 | 180 | 198 |
| 218 318 | 103 | 84,0 90,5 | 180 | 198 | | B 518 B 618 | 74,5 74 | 68,5 69 | 100 | |
| 418 518 618 718 | | 93,5 95,5 97,0 97,7 | | | | B 220 B 320 B 420 B 520 | 78 76,5 75 74,5 | 65 66,5 68 68,5 | 200 | 198 |
| 220 320 420 520 620 720 820 | 103 | 82,0 89,0 92,5 94,7 96,2 97,0 97,8 | 200 | 198 | v | B 620 B 222 B 322 B 422 B 522 B 522 B 622 | 74 78 76,5 75 74,5 74 | 69 65 66,5 68 68,5 69 | 220 | 198 |
| 322 422 522 622 722 822 | 103 | 88,0 91,5 94,0 95,5 96,5 97,3 | Teh S 220 | TAN (st ¹⁹⁸ n) | DA dar | в 325 RD ^{B 425} RE 525RE ds.i ^{B 625} ds.i ^{B 625} .ai | 78 76,5 75 74,5 74 | 65 66,5 68 68,5 69 | 250 | 198 |
| 425 525 625 725 825 | 103 | 90,0 92,7 94,5 95,5 96,5 | /standards. 250 | | og/stan | <u>417:1986</u> dards/sist/d89cc4fd- ł/iso-5417-1986 | 9e8e-438c- | a7d7- | | |

Table 2 – Dimensions of refractory bricks for use in

rotary kilns covered by this International Standard

(Constant median taper series)

Table 1 — Dimensions of refractory bricks for use in rotary kilns covered by this International Standard (Constant backface series)



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