
International Standard



5417

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Refractory bricks for use in rotary kilns — Dimensions

Briques réfractaires à utiliser dans les fours rotatifs — Dimensions

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Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work.

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 latest edition, unless otherwise stated.

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0 Introduction

In preparing this International Standard, an attempt has been 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.

NOTE — A standard system of hot-face identification marking is in course of preparation.

2 Dimensions

The dimensions of basic, fireclay and high alumina refractory bricks for use in rotary kilns shall be as shown in tables 1 and 2.

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.

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

Designation	Dimensions (mm)			
	A	B	H	L
216	103	86,0	160	198
316		92,0		
416		94,5		
516		96,5		
716		98,3		
218	103	84,0	180	198
318		90,5		
418		93,5		
518		95,5		
618		97,0		
718		97,7		
220	103	82,0	200	198
320		89,0		
420		92,5		
520		94,7		
620		96,2		
720		97,0		
820		97,8		
322	103	88,0	220	198
422		91,5		
522		94,0		
622		95,5		
722		96,5		
822		97,3		
425	103	90,0	250	198
525		92,7		
625		94,5		
725		95,5		
825		96,5		

Table 2 — Dimensions of refractory bricks for use in rotary kilns covered by this International Standard (Constant median taper series)

Designation	Dimensions (mm)			
	A	B	H	L
B 216	78	65	160	198
B 416	75	68		
B 218	78	65	180	198
B 318	76,5	66,5		
B 418	75	68		
B 518	74,5	68,5		
B 618	74	69		
B 220	78	65	200	198
B 320	76,5	66,5		
B 420	75	68		
B 520	74,5	68,5		
B 620	74	69		
B 222	78	65	220	198
B 322	76,5	66,5		
B 422	75	68		
B 522	74,5	68,5		
B 622	74	69		
B 325	78	65	250	198
B 425	76,5	66,5		
B 525	75	68		
B 625	74,5	68,5		
B 725	74	69		

