INTERNATIONAL STANDARD ISO 355/VIII

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Rolling bearings — Tapered roller bearings — Boundary dimensions — Sub-units — Metric series — Dimension series 29 and 13

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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.

International Standard ISO 355/VIII (originally Draft International Standard ISO/DIS 2280) was drawn up by Technical Committee ISO/TC 4, *Rolling bearings*, and circulated to the Member Bodies in April 1971.

It has been approved by the Member Bodies of the following countries :

Australia	Hungary	South Africa, Rep. of
Austria	India	Spain
Belgium	Ireland	Sweden
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U.S.A.

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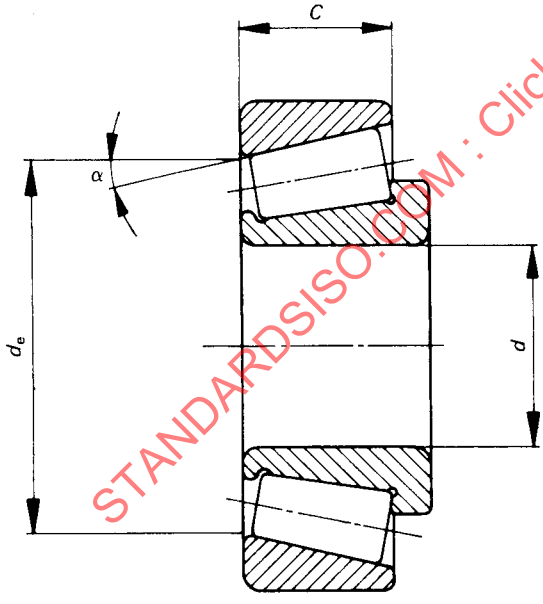
0 INTRODUCTION

The sub-units of tapered roller bearings consist of outer ring (cup unit) and inner ring, roller and cage assembly (cone-unit). The boundary dimensions and tolerances of the complete bearings are given in the relevant ISO publications.

1 SCOPE AND FIELD OF APPLICATION

This International Standard specifies the additional sub-unit boundary dimensions of tapered roller bearings, with reference to the bearing bore diameter for dimension series 29 and 13 (manufacturers' series 329 and 313 X respectively).

2 SYMBOLS



d = bearing bore diameter

α = bearing angle of contact

d_e = small inside diameter of outer ring

C = outer ring width

Bearing type symbols are given in accordance with ISO/R 300, *ISO identification code for rolling bearings.* In addition the manufacturers's usual series numbers are indicated.

3 BOUNDARY DIMENSIONS

TABLE 1 — **Bearing type code symbol KB**[1] **— Dimension series 29**
(Manufacturers' series 329)

Dimensions in millimetres

Bore diameter d	Dimension series 29		
	α	d_e	C
35	11°	47,220	11,5
40	10° 55′	53,388	12
45	12°	58,852	12
50	12° 50′	62,748	12
55	11° 39′	69,503	14
60	12° 27′	74,185	14
65	13° 15′	78,849	14
70	11° 53′	88,590	16
75	12° 31′	93,223	16
80	13° 10′	97,974	16
85	12° 18′	106,599	18
90	12° 51′	111,282	18
95	13° 25′	116,082	18
100	12° 23′	125,717	20
105	12° 51′	130,359	20
110	13° 20′	135,182	20
120	13° 05′	148,464	23
130	12° 45′	161,652	25
140	13° 30′	171,032	25
150	12° 20′	187,926	30
160	13°	197,962	30
170	14° 20′	206,564	30
180	17° 45′	218,571	34
190	17° 39′	228,578	34
200	14° 45′	249,698	39
220	15° 50′	267,685	39
240	17°	286,952	39
260	15° 10′	320,783	48
280	16° 05′	339,778	48
300	14° 45′	374,706	57
320	15° 30′	393,406	57
340	16° 15′	412,043	57
360	17°	430,612	57

1) The bearings with d = 180 and 190 mm have the code symbol KC.