INTERNATIONAL STANDARD

ISO 582

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AMENDMENT 1
2013-07-01

Rolling bearings — Chamfer dimensions — Maximum values

AMENDMENT 1

Roulements — Dimensions des arrondis — Valeurs maximales

AMENDEMENT 1

Reference number
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Foreword

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Amendment 1 to ISO 582:1995 was prepared by Technical Committee ISO/TC 4, *Rolling bearings*, Subcommittee SC 4, *Tolerances, tolerance definitions and symbols (including GPS)*.

Rolling bearings — Chamfer dimensions — Maximum values

AMENDMENT 1

Page 1, Normative references

Replace the reference to ISO 355:1977 with the following:

ISO 355, *Rolling bearings — Tapered roller bearings — Boundary dimensions and series designations*

Page 4, Clause 5

Replace Table 4 with the following new table, thus adding new rows with first column values of 0,5, 3,3, 7 and 8 for $r_{s\,min}$, or $r_{1s\,min}$.

Dimensions in millimetres

$r_{s\,min}$ or $r_{1s\,min}$ [1)]	d or D	$r_{s\,max}$ or $r_{1s\,max}$ Directions radial	axial
0,3	d or $D \leq 40$ d or $D > 40$	0,7 0,9	1,4 1,6
0,5	d or $D \leq 40$ d or $D > 40$	1,1 1,2	1,7 1,9
0,6	d or $D \leq 40$ d or $D > 40$	1,1 1,3	1,7 2
1	d or $D \leq 50$ d or $D > 50$	1,6 1,9	2,5 3
1,5	d or $D \leq 120$ $120 < d$ (or D) ≤ 250 d or $D > 250$	2,3 2,8 3,5	3 3,5 4
2	d or $D \leq 120$ $120 < d$ (or D) ≤ 250 d or $D > 250$	2,8 3,5 4	4 4,5 5
2,5	d or $D \leq 120$ $120 < d$ (or D) ≤ 250 d or $D > 250$	3,5 4 4,5	5 5,5 6
3	d or $D \leq 120$ $120 < d$ (or D) ≤ 250 $250 < d$ (or D) ≤ 400 d or $D > 400$	4 4,5 5 5,5	5,5 6,5 7 7,5
3,3	d or $D \leq 120$ $120 < d$ (or D) ≤ 250 $250 < d$ (or D) ≤ 400 d or $D > 400$	4,3 4,8 5,3 5,8	6,3 6,8 7,3 7,8
4	d or $D \leq 120$ $120 < d$ (or D) ≤ 250 $250 < d$ (or D) ≤ 400 d or $D > 400$	5 5,5 6 6,5	7 7,5 8 8,5
5	d or $D \leq 180$ d or $D > 180$	6,5 7,5	8 9
6	d or $D \leq 180$ d or $D > 180$	7,5 9	10 11
7	d or $D \leq 180$ d or $D > 180$	10 11,5	12,5 13,5
8	d or $D \leq 180$ d or $D > 180$	12,5 14,5	15,5 17,5

1) See Clause 5 for maximum shaft and housing fillet radii.

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