



**International
Standard**

ISO 1206

**Rolling bearings — Needle roller
bearings with machined rings —
Boundary dimensions, geometrical
product specifications (GPS) and
tolerance values**

AMENDMENT 1

*Roulements — Roulements à aiguilles avec bagues usinées —
Dimensions d'encombrement, spécification géométrique des
produits (GPS) et valeurs de tolérance*

AMENDEMENT 1

**Fifth edition
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This document was prepared by Technical Committee ISO/TC 4, *Rolling bearings*, Subcommittee SC 5, *Roller bearings*.

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Rolling bearings — Needle roller bearings with machined rings — Boundary dimensions, geometrical product specifications (GPS) and tolerance values

AMENDMENT 1

6.1

Replace 6.1 with the following:

6.1 General

The deviation limits and tolerance values for inner and outer rings for needle roller bearings with machined rings can be taken from ISO 492:

- for tolerance class normal, see ISO 492:2023, Tables 4 and 5;
- for tolerance class 6, see ISO 492:2023, Tables 6 and 7;
- for tolerance class 5, see ISO 492:2023, Tables 8 and 9.

In ISO 492:2023, Tables 4, 5, 6, 7, 8 and 9, and in Table 8, the symbols U and L are used as follows:

- U = upper deviation limit;
- L = lower deviation limit.

NOTE 1 For needle roller bearings with machined rings, the required tolerance values are not fully included in this document. Only the tolerance values of tolerance class normal can be found. Needle roller bearings with tolerance classes 6 and 5 are not described. As deviation limits and the tolerance values for needle roller bearings with machined rings are the same as in the tolerance tables of ISO 492:2023, Tables 4 to 9, for radial bearings, and to avoid redundancy, the tolerance tables are not shown in this document.

In the now withdrawn and superseded ISO 492:2014 revision, the scope was changed and the area of application for needle roller bearings with machined rings was excluded.

NOTE 2 For needle roller bearings with drawn cup, all required tolerance values are included in ISO 3245.

6.2

Replace 6.2 with the following:

6.2 Tolerances for complete bearing and bearing without inner ring

See Table 8.

For bearings without inner ring, the values for the corresponding bearing with inner ring (of ISO 492:2023, Tables 5, 7 and 9) apply.

Delete Tables 8 and 9. Renumber Table 10 as Table 8.

Bibliography

Add the following references:

ISO 492:2023, *Rolling bearings — Radial bearings — Geometrical product specifications (GPS) and tolerance values*

ISO 3245, *Rolling bearings — Needle roller bearings with drawn cup and without inner ring — Boundary dimensions, geometrical product specifications (GPS) and tolerance values*

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