

DIN EN ISO 2692**DIN**

ICS 17.040.30

Supersedes
DIN ISO 2692:1990-05

**Geometrical product specifications (GPS) –
Geometrical tolerancing –
Maximum material requirement (MMR), least material requirement (LMR)
and reciprocity requirement (RPR) (ISO 2692:2006)
English version of DIN EN ISO 2692:2007-04**

Geometrische Produktspezifikation (GPS) –
Form- und Lagetolerierung –
Maximum-Material-Bedingung (MMR), Minimum-Material-Bedingung (LMR) und
Reziprozitätsbedingung (RPR) (ISO 2692:2006)
Englische Fassung DIN EN ISO 2692:2007-04

Document comprises 40 pages

National foreword

This standard has been prepared by Technical Committee ISO/TC 213 "Dimensional and geometrical product specifications and verification" in collaboration with Technical Committee CEN/TC 290 "Dimensional and geometrical product specification and verification" (Secretariat: France).

The responsible German body involved in its preparation was the *Normenausschuss Technische Grundlagen* (Fundamentals in Technology Standards Committee), Technical Committee NA 152-03-02 AA CEN/ISO *Geometrische Produktspezifikation und -prüfung*.

In 1992, CEN/TC 290 had already decided not to publish its own standards, but rather strongly recommended that its members be actively involved in drawing up the relevant GPS standards at ISO so that the ISO Standards could be adopted, unchanged, as European Standards.

The DIN Standards corresponding to the International Standards referred to in clause 2 of the EN are as follows:

ISO 286-1	DIN ISO 286-1
ISO 1101	DIN EN ISO 1101
ISO 5459	DIN ISO 5459
ISO 14405	E DIN EN ISO 14405
ISO 14660-1	DIN EN ISO 14660-1
ISO 14660-2	DIN EN ISO 14660-2
ISO/TS 17450-1	E DIN EN 15396-1

Amendments

This standard differs from DIN ISO 2692:1990-05 as follows:

- a) The terms and definitions have been revised and harmonized with new standards.
- b) The least material requirement and related terms and specifications have been included.
- c) The reciprocity requirement has been specified.
- d) The examples of tolerancing have been revised and put in the informative Annex A.

Previous editions

DIN ISO 2692: 1990-05

National Annex NA (informative)

Bibliography

DIN V 32950, *Geometrical product specifications (GPS) — Masterplan (ISO/TR 14638:1995)*

DIN EN 15396-1 (currently at draft stage), *Geometrical Product Specification (GPS) — General concepts — Part 1: Model for geometrical specification and verification*

DIN EN ISO 1101, *Geometrical Product Specifications (GPS) — Geometrical tolerancing — Tolerances of form, orientation, location and run-out*

DIN EN ISO 5458, *Geometrical product specification (GPS) — Geometrical tolerancing — Positional tolerancing*

DIN EN ISO 14405 (currently at draft stage), *Geometrical Product Specification (GPS) — Dimensional tolerancing — Linear sizes*

DIN EN ISO 14660-1, *Geometrical Product Specifications (GPS) — Geometrical features — Part 1: General terms and definitions*

DIN EN ISO 14660-2, *Geometrical Product Specifications (GPS) — Geometrical features — Part 2: Extracted median line of a cylinder and a cone, extracted median surface, local size of an extracted feature*

DIN ISO 286-1, *ISO system of limits and fits — Bases of tolerances, deviations and fits*

DIN ISO 5459, *Technical drawings — Geometrical tolerancing — Datums and datum-systems for geometrical tolerances*

DIN ISO 7083, *Technical drawings — Symbols for geometrical tolerancing — Proportions and dimensions*