

International Standard



8667

INTERNATIONAL ORGANIZATION FOR STANDARDIZATION • МЕЖДУНАРОДНАЯ ОРГАНИЗАЦИЯ ПО СТАНДАРТИЗАЦИИ • ORGANISATION INTERNATIONALE DE NORMALISATION

Commercial vehicles and buses — Cross-tooth gearbox flanges, type T

Véhicules utilitaires et autobus — Brides de boîtes de vitesses à dents croisées, type T

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Descriptors : road vehicles, commercial road vehicles, buses (vehicles), gear boxes, flanges, dimensions, designation.

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 8667 was prepared by Technical Committee ISO/TC 22, *Road vehicles*.

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.

Commercial vehicles and buses — Cross-tooth gearbox flanges, type T

1 Scope and field of application

This International Standard specifies the nominal dimensions and tolerances which affect interchangeability between cross-tooth gearbox flanges, type T, and mating parts used on commercial vehicles and buses.

Dimensions and tolerances of the mating parts, other than those occurring at the interface of the two flanges, are left to the discretion of the manufacturer of that component.

2 References

ISO 1101, *Technical drawings — Geometrical tolerancing — Tolerancing of form, orientation, location and run-out — Generalities, definitions, symbols, indications on drawings.*

ISO 7646, *Commercial vehicles and buses — Gearbox flanges — Type A.*

ISO 7647, *Commercial vehicles and buses — Gearbox flanges — Type S.*

3 Dimensions and tolerances

Nominal dimensions and tolerances which affect the interchangeability of type T gearbox flanges shall be as shown in the table and figure.

Where the flange is formed by forging, an additional groove either side of the driving teeth is permissible. In this case the additional grooves do not form part of the drive.

4 Designation

Gearbox flanges meeting the requirements of this International Standard shall be identified by a certain number of elements, to be given in the following order:

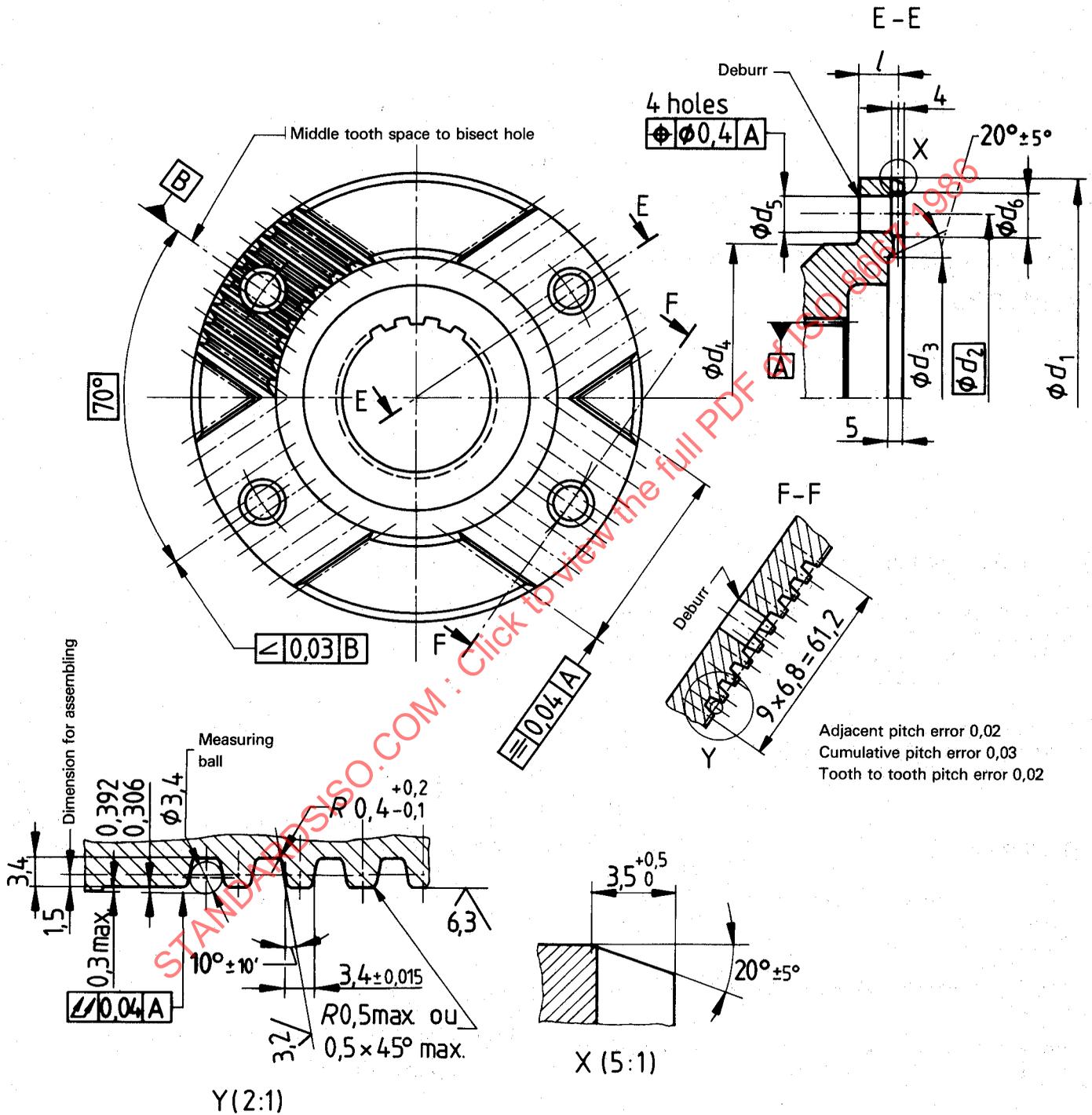
- a) reference to this International Standard;
- b) type T;
- c) size code.

Example:

Designation of a type T gearbox flange of size code 1:

Flange ISO 8667 - T1

Dimensions in millimetres, surface roughness values in micrometres



Figure