

# INTERNATIONAL STANDARD

ISO  
7803

First edition  
1987-07-01



---

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

---

## Commercial road vehicles — Steering ball joints

*Véhicules routiers utilitaires — Rotules de direction*

STANDARDSISO.COM : Click to view the full PDF of ISO 7803:1987

Reference number  
ISO 7803 : 1987 (E)

## 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 7803 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.

STANDARDSISO.COM : Click to view the full PDF of ISO 7803:1987

# Commercial road vehicles – Steering ball joints

## 1 Scope and field of application

This International Standard specifies the main dimensions of steering ball joints for commercial vehicles.

The ball joint is considered as being a single piece with its socket. Thus this International Standard covers the ball-socket assembly.

## 2 Dimensions

For dimensions, see the figure and table.

## 3 Designation

Example for the designation of a ball joint of nominal size  $S\phi D = 30$  mm, where the angles  $\alpha = 40^\circ$  and  $\beta = 20^\circ$ :

Ball joint ISO 7803 - 30 - 40 × 20