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# International Standard



# 6743/2

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## Lubricants, industrial oils and related products (class L) — Classification — Part 2 : Family F (Spindle bearings, bearings and associated clutches)

*Lubrifiants, huiles industrielles et produits connexes (classe L) — Classification — Partie 2 : Famille F (Paliers de broche, paliers et embrayages associés)*

First edition — 1981-10-01

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UDC 665.765

Ref. No. ISO 6743/2-1981 (E)

**Descriptors** : lubricants, lubricating oils, spindles, bearings, clutch linings, classification.

Price based on 1 page

## Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards institutes (ISO member bodies). The work of developing International Standards is carried out through ISO technical committees. Every member body interested in a subject for which a technical committee has been set up 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.

International Standard ISO 6743/2 was developed by Technical Committee ISO/TC 28, *Petroleum products and lubricants*, and was circulated to the member bodies in August 1980.

It has been approved by the member bodies of the following countries :

Australia	Germany, F. R.	Poland
Austria	Hungary	Romania
Belgium	India	Spain
Brazil	Iran	Sweden
Bulgaria	Israel	Switzerland
Canada	Japan	Turkey
China	Mexico	United Kingdom
Czechoslovakia	Netherlands	USSR
Egypt, Arab Rep. of	Norway	Venezuela
France	Peru	

The member body of the following country expressed disapproval of the document on technical grounds :

Italy

# Lubricants, industrial oils and related products (class L) — Classification — Part 2 : Family F (Spindle bearings, bearings and associated clutches)

## 1 Scope and field of application

This part of ISO 6743 establishes the detailed classification of family F (Spindle bearings, bearings and associated clutches) which belongs to the class L (Lubricants, industrial oils and related products).

It should be read in conjunction with ISO 6743/0.

## 2 Reference

ISO 3448, *Industrial liquid lubricants — ISO viscosity classification*.

## 3 Explanation of symbols used

**3.1** This detailed classification of family F has been established by defining the categories of products required for the

main applications of this family and at the final point for subdivision by referring to composition of corresponding products.

**3.2** Each category is designated by a symbol consisting of a group of letters, which together constitute a code.

NOTE — The first letter of the code (F) identifies the family of the product considered but the second letter taken separately has no significance of its own.

The designation of each category can be supplemented by the addition of viscosity grades according to ISO 3448.

**3.3** In this classification system, products are designated in a uniform manner. For example, a particular product may be designated in complete form, i.e. ISO-L-FD 68, or in an abbreviated form, i.e. L-FD 68, the number indicating the viscosity grade according to ISO 3448.

### Classification of lubricants, industrial oils and related products (class L) — Family F (Spindle bearings, bearings and associated clutches)

Code letter	General application	Particular application	More specific application	Composition and special properties	Symbol ISO-L	Typical applications	Remarks
F	Spindle bearings, bearings and associated clutches		Spindle bearings, bearings and associated clutches	Refined mineral oils with improved properties, for example anti-corrosion and anti-oxidation, which may be obtained by additives	FC	Pressure, bath and oil mist (aerosol) lubrication of plain or rolling bearings and associated clutches	Where clutches are involved anti-wear or EP additives should be avoided because of the risk of corrosion
			Spindle bearings, bearings	Refined mineral oils with improved properties, for example anti-corrosion, anti-oxidation, anti-wear, which may be obtained by additives	FD	Pressure, bath and oil mist (aerosol) lubrication of plain or rolling bearings	