


FLANGED HOUSING UNITS FOR ELECTRICAL MACHINERY

FERS and FERB series with relubrication facility



FERS and FERB series flanged housing units are designed according to the modular concept, i. e. the labyrinth ring, cover, spacer ring, grease valve, and the shaft nuts for locating the bearings are matched to each other.

These bearing types are suitable for electrical machinery of type B and type V.

Product characteristics

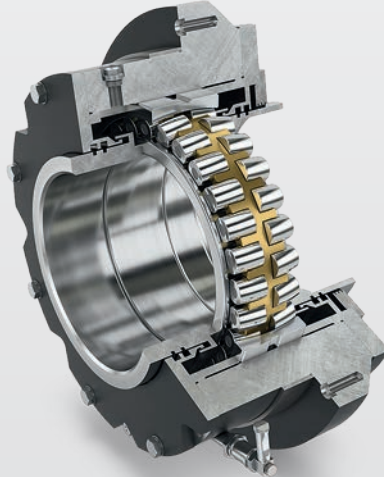
- Suitable for horizontal and vertical mounting positions
- For grease lubrication
- Current insulation can be implemented on the housing
- A range of different sensors is available
- Condition monitoring
- Automatic relubrication

Possible bearing designs



FLANGED HOUSING UNITS FOR ELECTRICAL MACHINERY

FKC series for electrical machinery with oil lubrication



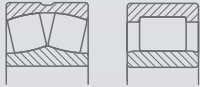
FKC flanged housing units comprise a housing body that is also available in current-insulated form where necessary, two labyrinth covers, two labyrinth rings, and two sealing sleeves that are used to support an additional sealing cover.

FKC flanged housing units with spherical roller bearings are particularly suitable for applications with high loads, moderate speeds, and where, due to the bearing size, only oil lubrication can be considered.

Product characteristics

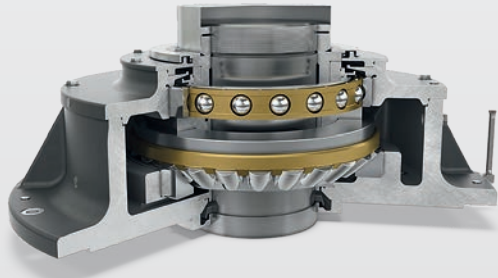
- Suitable for horizontal mounting positions
- Oil-lubricated unit
- Recirculating oil lubrication and oil sump lubrication
- Current insulation can be implemented on the housing
- A range of different sensors is available
- Condition monitoring

Possible bearing designs



FLANGED HOUSING UNITS FOR ELECTRICAL MACHINERY

FKB series for electrical machinery with oil lubrication



The FKB flanged housing units were specially developed for use in vertical motors and for the support of high axial forces.


The housing generally comprises a housing body, covers, intermediate rings, collector plate, flinger plate, and an oil splash ring.

The flanged housing is designed for sump-type lubrication. Recirculating oil lubrication with lubricant cooling is also conceivable.

Product characteristics

- Suitable for vertical mounting positions
- Oil-lubricated unit
- Recirculating oil lubrication can be implemented
- Current insulation can be implemented on the housing
- A range of different sensors is available (PT100 standard)
- Condition monitoring

Possible bearing designs

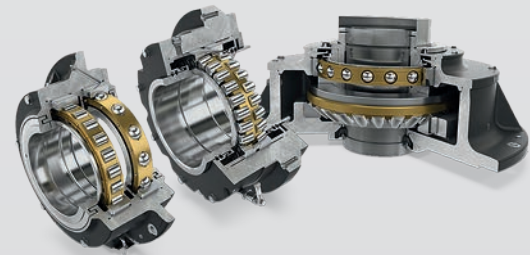


UNBEATABLE VARIETY

Rotor bearing supports in large electrical machinery with flanged housing units

For rotor bearing supports in large electrical machinery with end shields, Schaeffler manufactures complete flanged housing units of series FERS, FERB, FKC, and FKB under the FAG brand.

- **FERS and FERB designs:**
Flanged housing units with integrated cylindrical roller bearings or a combination of one cylindrical roller bearing and one deep groove ball bearing.
- **FKC design:**
A flanged housing unit fitted with a radial spherical roller bearing
- **FKB design:**
A flanged housing unit fitted with one axial spherical roller bearing and one radial deep groove ball bearing



Product information

- Highly adaptable to customer requirements
- Large dimensional range
- Easy to mount
- Simple maintenance
- A range of different bearing arrangements
- Shorter design and manufacturing times for electrical machinery
- Automatic relubrication and condition monitoring (depending on the unit)
- Current insulation (depending on the unit)

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Rolling bearings

Plain bearings

Linear technology

FLANGED HOUSING UNITS for large electrical machinery



SCHAEFFLER