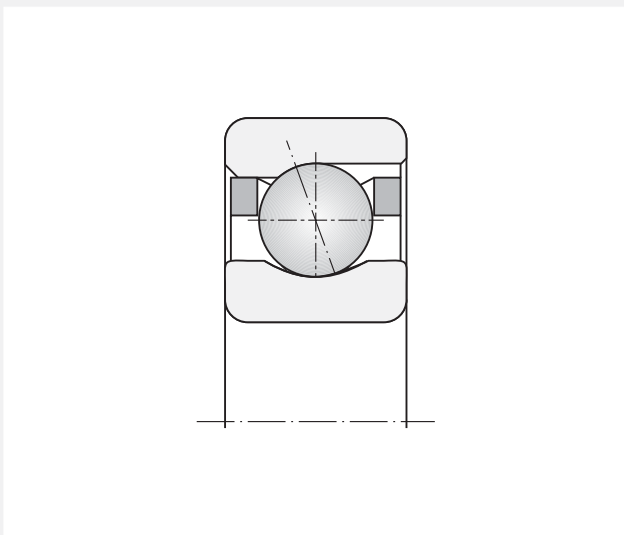


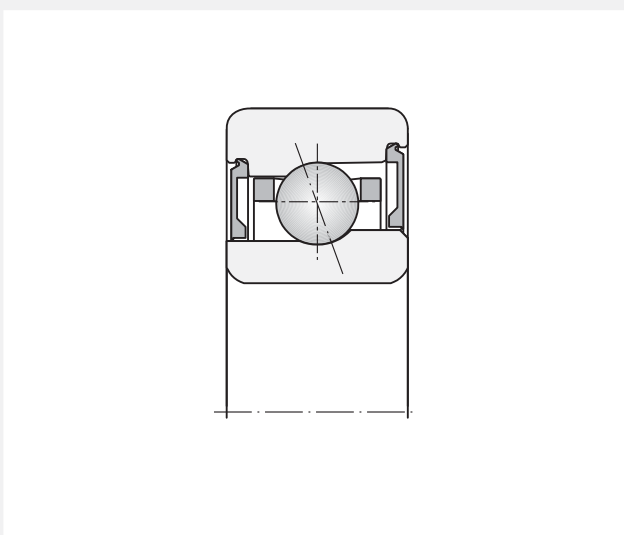
## Bearing series S...

- GMN standard spindle bearing
- Non-separable type



## Bearing series SM ...

- Geometry of inner ring modified for extremely high speeds
- Smaller load rating and static rigidity compared to bearing series S ...
- Equal or higher service life as with bearing series S ... due to lower friction
- Non-separable type



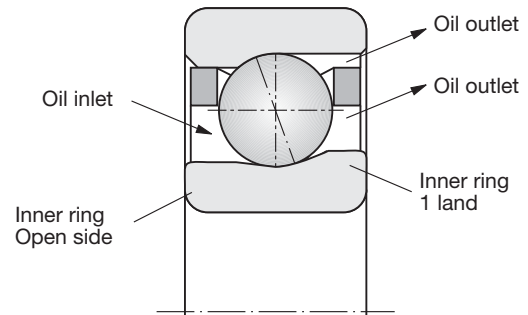
## Bearing Series KH ...

- Optimised spindle bearing for extremely high speeds and increased service life
- Smaller load rating and static rigidity compared to bearing series SM
- Sealed, with for-life lubrication or open for oil lubrication
- Non-separable type

## Bearing series SH ...

A special design of series SM ..

- Optimised oil feeding, one land in inner ring
- Speed coefficient  $n \times d_m = 2.4 \cdot 10^6$  mm/min reliably possible with cooling lubrication
- Non-separable type
- Available only on request

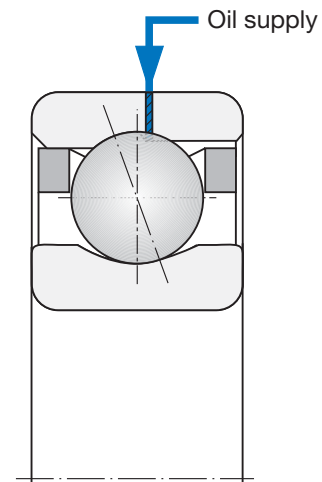


Bearings of this series are only available to precision classes HG, UP, P2 and ABEC 9

## Bearing series SMA ...

Special design of series SM

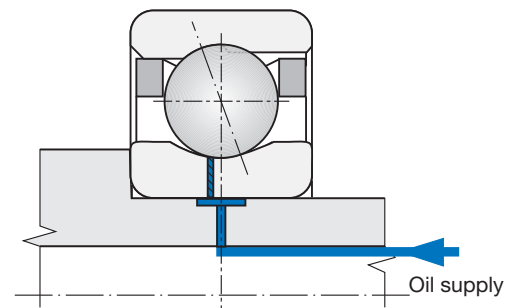
- Oil feed via outer ring
- Optimised for oil-minimized lubrication and extremely high speeds
- High degree of reliability in operation is ensured by force-feed lubrication
- Non-separable type
- Only available on request



## Bearing series SMI ...

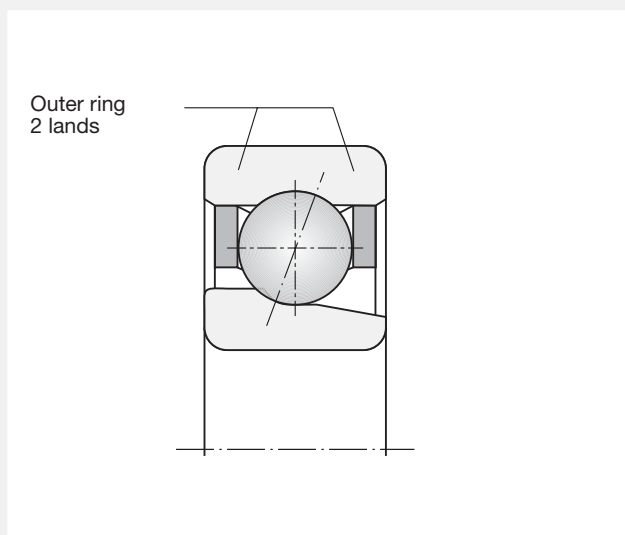
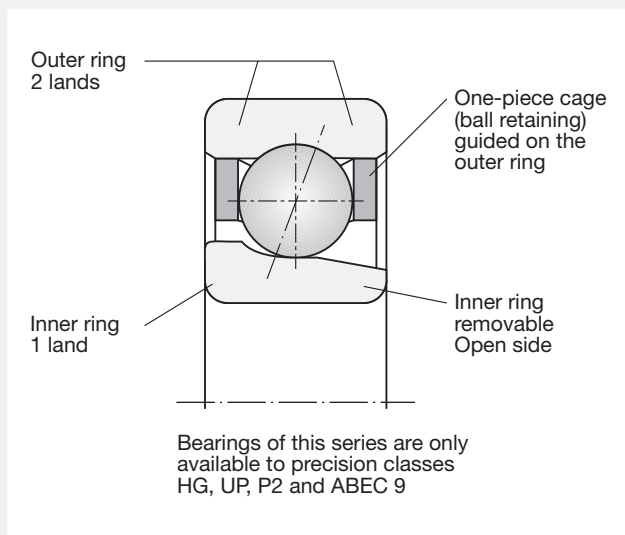
A special design of series SM

- Oil feed via inner ring
- Optimised for oil-minimized lubrication and extremely high speeds.
- High degree of reliability in operation is ensured by force-feed lubrication
- Non-separable type
- Available only on request



## Separable type

- Simple mounting due to separate installation of inner and outer ring (when necessary).
- Balancing of rotating components with installed inner ring.
- A defined axial clearance of the bearing system is possible.



## Bearing series BHT ...

- The cage retains the balls in the outer ring, which means the balls do not fall out when the one-land inner ring is removed.
- The one-piece cage is guided on both lands of the outer ring.
- The contact conditions are the same as with bearing series SM ...
- Due to the ball retaining design of the cage, the ball complement is less than for bearing series SM.

## Bearing series BNT ...

- Corresponds essentially to bearing series BHT ...
- However the contact conditions are the same as for bearing series S ...
- Due to the ball retaining design of the cage, the ball complement is less than for bearing series S ...