

BEARING SOLUTIONS  
FOR HYDRAULIC SYSTEMS



# LSGS Cradle Bearings



Take an interactive  
look at the product!

**SCHAEFFLER**

# LSGS cradle bearings with integrated cage control and mounting bracket



Image: Danfoss Power Solutions



## Optimized production

- Forming methods for high quantities
- High geometrical accuracy of bearing segments due to special, optimized heat treatment

## Axial piston pump (motor) application

Adjustment of the swash plate via the cradle bearing, which is designed to make optimum use of the available space, allows the piston lift to be varied and the flow rate continuously adjusted.

## Functional advantages

- Low adjustment forces and breakaway torques
- Defined cage position despite vibrations
- High load carrying capacity in the smallest possible space
- Integrated cage control mechanism
- Easy to mount due to retaining lugs

## Product benefits

- All functions are integrated
- Low frictional torques
- The design allows fast acceleration
- Compact, high-performance bearing unit

## Performance data

- Variable swivel angle of  $\pm 24^\circ$
- Maximum working pressures of up to 480 bar
- Adjustment speed of  $36^\circ$  in 0.4 s
- Temperature range from  $-40^\circ\text{C}$  to  $+115^\circ\text{C}$