

Steel version

Type N

Steel housing, zinc plated

Pairings:

Steel internal ring, hardened

Brass bearing socket

Lubrication possible

Type W

Steel housing, zinc plated

Pairings:

Steel internal ring, hardened

Steel bearing socket, zinc plated, with

PTFE insert

Self-lubricating

Features of general use:

For universal application conditions, especially with high alternating and shock loads in radial and in particular in axial direction.

For universal application conditions, especially with dynamic load; axial load capacity lower than for type N.

Stainless steel version

Type NH

Stainless steel housing

Pairings:

Steel internal ring, hardened, hard chrome plated

Bronze bearing socket

Lubrication possible

Type WH

Stainless steel housing

Pairings:

Steel internal ring, hardened

Bronze bearing socket, with PTFE insert

Self-lubricating

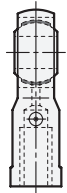
As Type N in areas exposed to corrosion.

As Type W in areas exposed to corrosion.

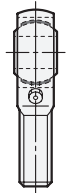
As Type W in areas exposed to corrosion with high requirements on corrosion resistance, e.g. in the food industry.

Ball joint heads

with internal thread



with threaded bolt



Ball joints

without housing



Bearing play

Bearing play refers to the dimension by which the internal ring inside the bearing socket can be moved in a radial or an axial direction without lubrication.

Types N, NH Lubrication possible		Types W, WH, WK Self-lubricating		
d_1 Bore internal ring	Radial bearing play	d_1 Bore internal ring	Radial bearing play	Axial bearing play
5 ... 10	0,005 ... 0,035	5 ... 10	0,005 ... 0,030	2 to 3 times radial play
12 ... 20	0,010 ... 0,040	12 ... 18	0,005 ... 0,035	
22 ... 30	0,010 ... 0,050	20 ... 30	0,005 ... 0,055	

Load applied to obtain the measured results: 100 N at room temperature.

Lubrication

Rod end bearings of type N (lubrication possible) require regular lubrication. When delivered, the rod end bearings are not lubricated. The initial lubrication takes place when installed. Within the temperature range of -20 °C to +125 °C, a multipurpose grease has proven to be adequate. Under extreme conditions, a high quality grease such as Gleitmo 805 K should be used. Rod end bearings of type W (self-lubricating) **must not be lubricated**. The internal ring moves on a PTFE insert in the bearing socket.