

Steel version

Type N

Housing steel, zinc plated
 Pairings
 Internal ring steel, hardened
 Bearing socket brass
lubrication possible.

Type W

Housing steel, zinc plated
 Pairings
 Internal ring steel, hardened
 Bearing socket steel, zinc plated with PTFE-insert
self lubricated.

Features of general use:

For general use, and in particular for continuously changing thrust and shock loads in radial and axial plane.

For general use, especially for application under dynamic operating conditions. Load bearing capacity than Type N.

Stainless Steel version

Type NH

Housing Stainless Steel
 Pairings
 Internal ring, hardened, hard chrome plated
 Bearing socket bronze
lubrication possible.

Type WH

Housing Stainless Steel
 Pairings
 Internal ring steel, hardened
 Bearing socket bronze, with PTFE-insert
self lubricated.

Type WK

Housing Stainless Steel
 Pairings
 Internal ring Stainless Steel, hardened
 Bearing socket Stainless Steel, with PTFE-insert
self lubricated.

As Type N for use in corrosion endangered area.

As Type W for use in corrosion endangered area.

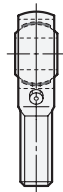
As Type W for use in areas where the highest degree of corrosion resistance is of paramount importance. Such as for instance in the food industry.

Ball joint heads

with female thread



with threaded bolt



Ball joints

without housing



Bearing play

Bearing play refers to the amount of play by which the internal ring inside a bearing socket without lubrication can be moved either a radial or an axial plane.

Types N, NH lubrication possible		Types W, WH, WK self lubricated		Axial bearing play
d ₁ Bore internal ring	Radial bearing play	d ₁ Bore internal ring	Radial 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

Ball joint heads of type N (lubrication possible) require regular lubrication. On delivery the ball joint heads are not lubricated. The initial lubrication takes place when installed. Within the temperature range of -20 °C to +125 °C, a multipurpose grease proved to be adequate. Under extreme conditions a high quality grease such as for instance Gleitmo 805 K should be used. Ball joint heads of the type W (self lubricated) **must never be lubricated**. The internal ring moves on a PTFE-insert of the bearing socket.