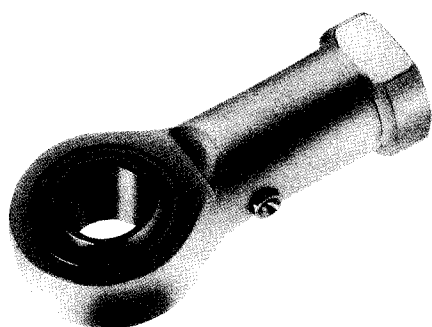
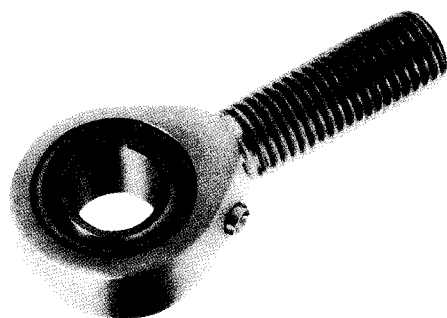


**PBI**



**PHS**



**POS**

**OZAK** Pillow Ball Insert type and the Rod End type use high precision bearing balls as the inner rings and employ special copper alloy ring which is inserted into the outer rings or holders, so that those series can attain smooth, self-aligning rotation and rocking with great wear resistance.

## Model

Table 182

Pillow ball insert type	Rod End type	
	With female thread	With male thread
<b>PBI</b>	<b>PHS</b>	<b>POS</b>

**Note 1:** For left-hand thread, the letter "L" is suffixed to the model No.

Ex. POS 16L

(For right hand thread, no letter is attached.)

**Note 2:** Material

Inner ring : High carbon chrome bearing steel

Insert : Special copper alloy

Outer ring : Carbon steel for structure

Holder : Carbon steel for structure (subjected to zinc chromate treatment)

## Precision

Table 183

Model	Dimension	Dimension symbol	Tolerance
<b>PBI</b>	Outer diameter of outer ring	D	h6
	Width of outer ring	W	±0.1
	Inner diameter of inner ring	d	H7
	Width of inner ring	T	0 -0.1
<b>PHS</b>	Inner diameter of inner ring	d	H7
<b>POS</b>	Width of inner ring	T	0 -0.1

**Note 3:** The radial clearances are less than 0.035mm.

## Fitting

Table 184

Working load condition	Shaft	Housing
Load direction constant:	h 7	H 7
Load direction varies:	p 6	N 7

**Note 4:** The recommended fits for housing are for PBI series.