

## Rod Ends / Spherical Plain Bearings

with high corrosion  
resistance

For use in marine  
applications and high  
corrosive environments



### Standard Series in sizes 6 to 35mm:

**Version:** maintenance free, female or male thread, right or left hand thread  
dimensions identical with data sheets on pages 32, 33 and 47

### Materials:

**Housing:** stainless steel to 1.4057, Aisi 431 forged, polished

**Insert:** stainless steel to 1.4571, Aisi 316Ti with PTFE liner with stainless steel fabric

**Ball:** stainless steel to 1.4401, Aisi 316 ground, polished

**Explanation:** The high strength housing combined with high corrosion resistance enables the usage for a variety of applications.  
Likewise with other stainless steel material, depending on the substances causing corrosion the danger of corrosion still exists, e.g. galvanic corrosion (bimetallic or contact corrosion), crack corrosion, opening corrosion, stress crack corrosion etc.  
To achieve a higher corrosion protection the following constructional measures are to be observed:

- protection against substances causing corrosion: RERS or RELS seals, FLURO catalogue page 74
- uncontrollable current, e.g. leakage current
- cathodic corrosion protection, e.g. sacrificial anode
- avoid cracks (crack corrosion)
- connecting components and material of corresponding material, no potential difference

**On request:** For applications with highest corrosion protection and on request FLURO can offer Rod Ends and Spherical Plain Bearings to DIN or to customer specifications to all common materials e.g. stainless steel to 1.4542 (17-4Ph), 1.4462, 1.4539, 2.4856 (INCONEL Alloy 625), bronze, Alu bronze, Titanium, just to list a few.