

FLURO®-Gelenklager GmbH

Stainless Hero

★★★
STAINLESS
steel
★★★

EXTREMELY HIGH
**CORROSION
RESISTANCE**
NIRO PRODUCT RANGE

We have what it takes to stand up to corrosion & others.

Our customers benefit from an extensive product portfolio of spherical plain bearings and rod ends for use under high dynamic tensile and compressive loads in the corrosion-risk area. Our products are extremely corrosion-resistant, mechanically stable and of such properties that the surface quality is not impaired by use.

Corrosion-resistant rod ends dimension series K (DIN ISO 12240-4)



RR Product series (GIRSW..[RR](#) / GARSW..[RR](#))

- > **Materials:** Housing made of stainless steel to 1.4057, forged, polished, from size 40 turned; insert made of stainless steel to 1.4571, with PTFE liner bonded to the inner surface; ball made of stainless steel to 1.4034, hardened, ground, polished
- > **Advantages:** Stainless, maintenance-free
- > **Application examples:** Machines and plants in the non-food & food sector (e.g. lift and transport systems, bearing and conveyor technology, filling plants, packing and paper processing machines, weighing/measuring/dosing and testing technology), buses, railway vehicles, cable cars, agricultural machines, grain and fodder processing

RR.316 Product series (GIRSW..[RR.316](#) / GARSW..[RR.316](#))

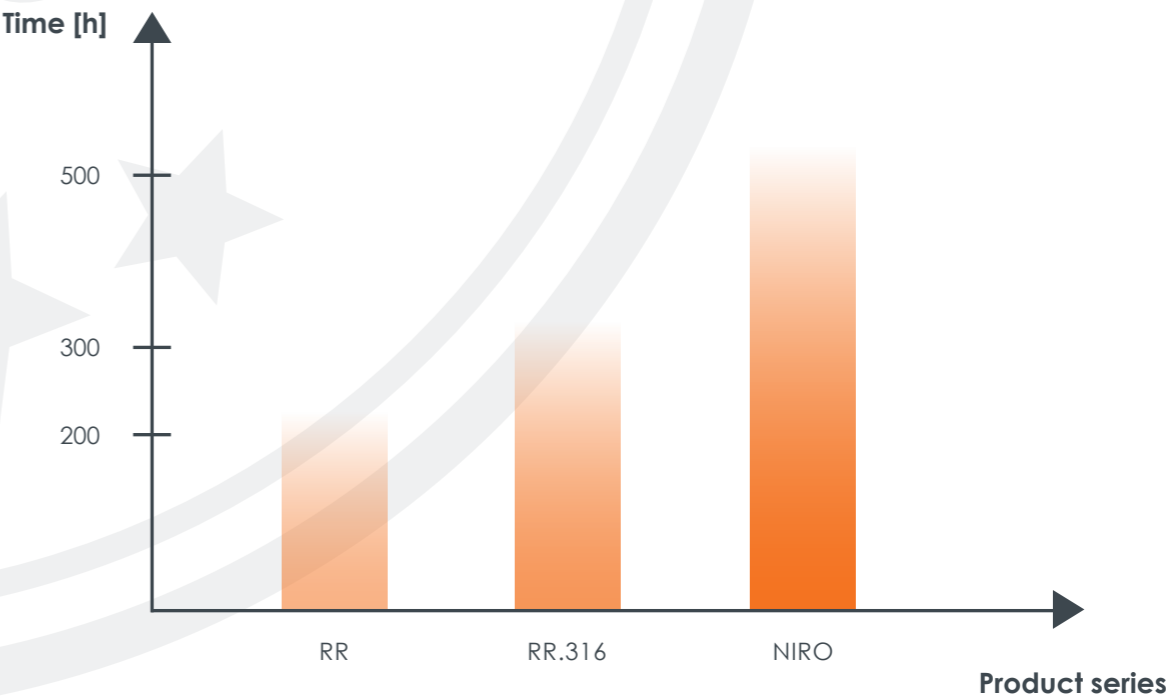
- > **Materials:** Housing made of stainless steel to 1.4057, forged, polished, from size 40 turned; insert made of stainless steel to 1.4571, with PTFE liner bonded to the inner surface; ball made of stainless steel to 1.4044, ground, polished
- > **Advantages:** Stainless, maintenance-free, suitable for aggressive cleaning/disinfection
- > **Application examples:** Processing of fruit and vegetables, production of pasta, bread and pastries, poultry, meat and fish processing

* Corrosion-resistance tested with **salt spray test** in accordance with DIN EN ISO 9227

Salt spray test in the test chamber (DIN EN ISO 9227)

Technical products are subjected to a number of climatic loads in the course of their life cycle during storage, transport and operation. As a manufacturer, therefore, we must have exact knowledge of the resistance and behaviour of the materials we use.

Stressful and corrosive ambient conditions are simulated and the corrosion resistance tested in test chambers with artificial atmospheres. The powerful simulation systems of our partners simulate environmental stresses under controlled conditions to project the naturally occurring aging or corrosion process and provide us with reliable results.



At least 200 h*

At least 300 h*

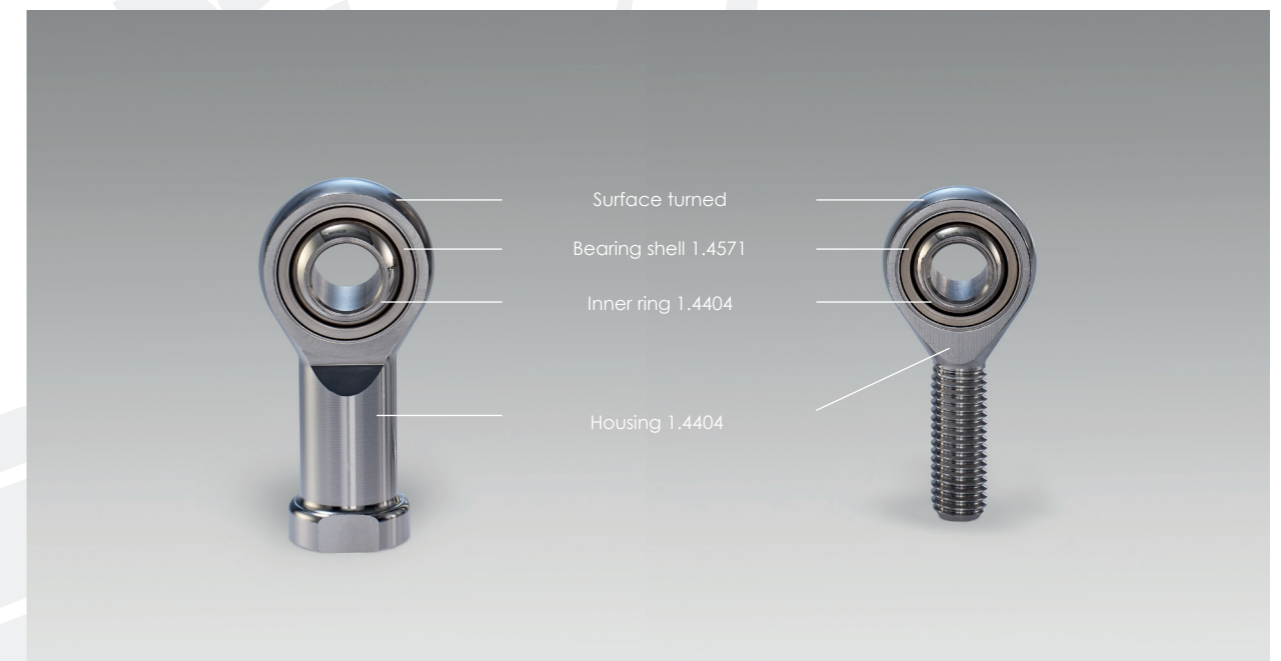
Braving the gap?

We focus on gap-free quality and safety.

In order to meet the specific requirements of the chemical and pharmaceutical industry, medical technology and the food and beverages industry, we base the manufacture of our corrosion-resistant product series on the Hygienic Design Standards.

Our materials, the design and the surface properties guarantee:

- ✓ Optimum **hygiene**
- ✓ Simple and safe **cleaning** (CIP - Cleaning in place)
- ✓ Highest **corrosion resistance** - even in acidic and alkaline environments



At least 500 h*

NIRO Product series (GIRSW..**NIRO** / GARSW..**NIRO**)

- > **Materials:** Housing made of stainless steel to 1.4044, turned; insert made of stainless steel to 1.4571, with PTFE liner bonded to the inner surface; ball made of stainless steel to 1.4044, ground, polished
- > **Advantages:** Stainless, maintenance-free, suitable for aggressive cleaning/disinfection; meets highest corrosion requirements
- > **Application examples:** Sterile, clean-room area (healthcare), chemical industry, medical technology, bio-tech, pharmaceuticals, aircraft and ship building, marine technology, food processing (e.g. dairy plants, ice-cream production, coffee processing and coffee roasting), beverages industry (e.g. breweries), oil, soap and textile industry, dyeworks

Available on request: Other sizes, Duplex rod ends as well as any special custom-built designs.

Our strengths are your advantages

- ✓ **Full range provider** in the field of spherical plain bearings and rod ends
- ✓ Robust, long-lasting **quality products** for the highest demands
- ✓ Tailor-made **special solutions** for individual customer requirements
- ✓ **Made in Germany** - 45 years of German engineering
- ✓ Standard sizes **available from stock**

* Corrosion-resistance tested with **salt spray test** in accordance with DIN EN ISO 9227

Welcome to the world of solutions.

