

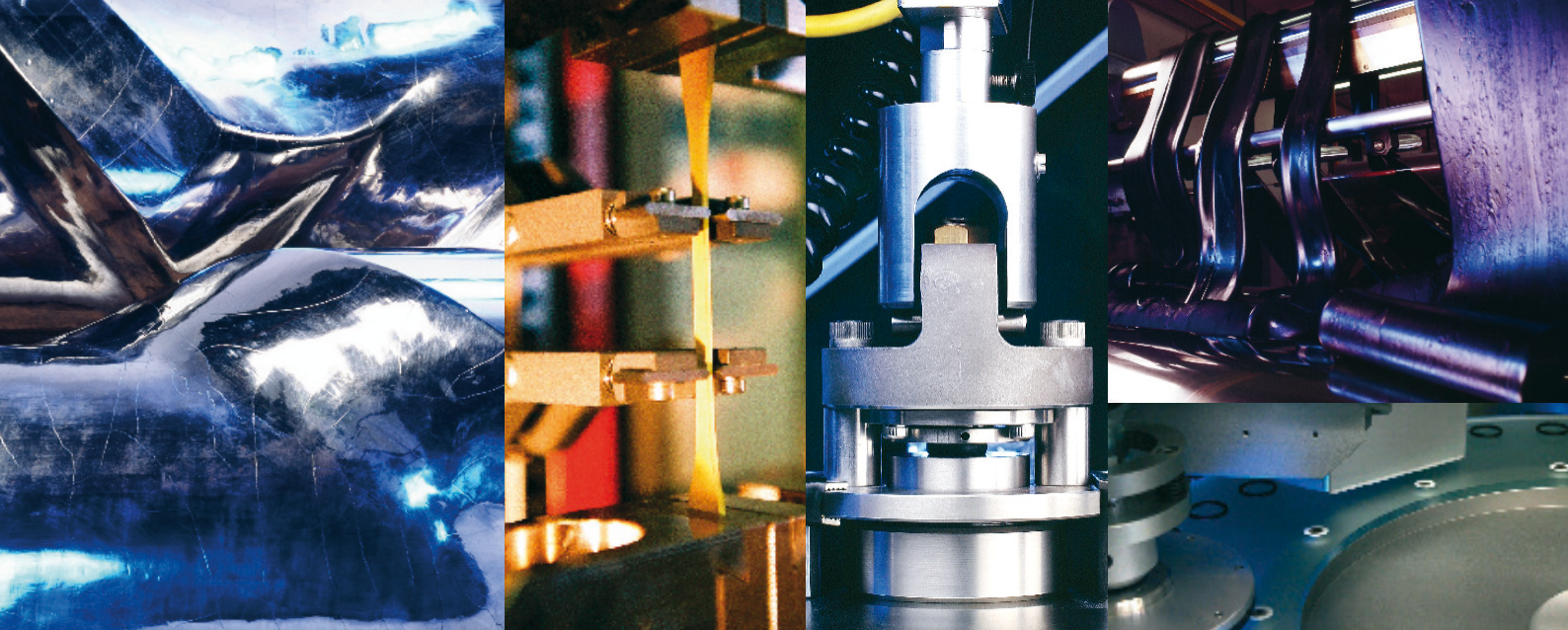


## PIPE SEALS

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**bode**  
INNOVATION IN SEALS



## Success based on experience: How we see ourselves

Know-how, experience, and an ideal production capability – those are the key words for developing and manufacturing innovative elastomeric pipe seals and moulded components. And it is those essential key words, that also define Bode GmbH.

For decades, we have been developing individual solutions for sophisticated systems. Today, we are acknowledged to be the most competent manufacturer of seals for plastic pipes – for sewage, waste water and portable water supply.

Our target is to be the European market leader.

## How expertise leads to competent solutions: Product development

No two challenges are alike. Therefore, it is even more important to look at each task individually, and find a custom solution. For best results, Bode GmbH dedicates a whole team of specialists to a client's request.

The Bode development team is involved in the whole process – from the stage of system designing, up to a specific solution. Finite Element Analysis (FEA) – as well as 'fast prototypes', support the design development.

## Quality in every detail: Compound development

Using high quality elastomeric compounds is the main factor for receiving consistent product features. For many years, Bode GmbH.

has specialized in developing their own mixtures – even for the most challenging practical fields.

"Elastomer Engineering" is the key word – and it stands for the perfect interaction of two factors: Years of experience, and relevant knowledge of current technologies. Accordingly, our elastomer laboratory is equipped with the most modern physical and chemical testing instruments – which is crucial for developing new compounds and procedures.

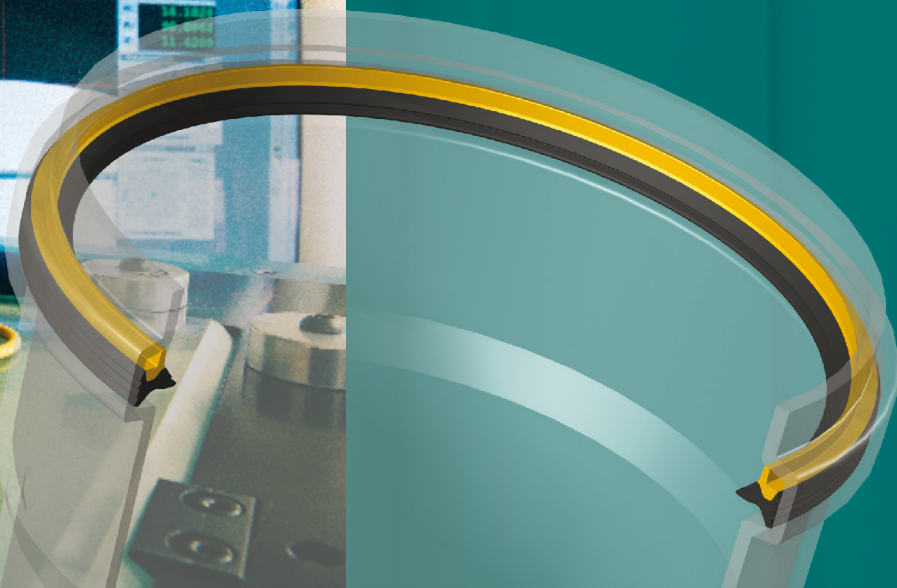
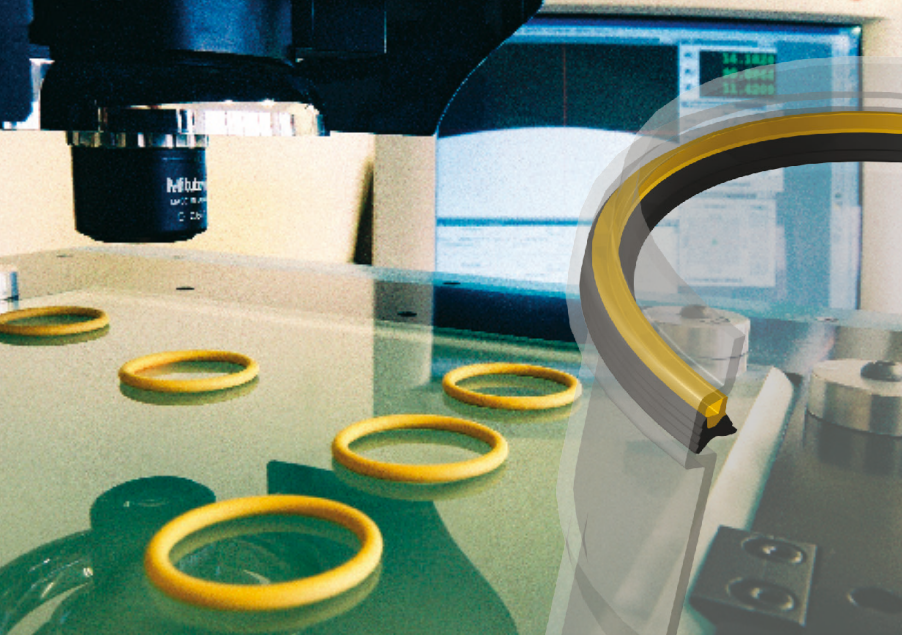
A wide range of internationally valid certificates, especially for drinking water applications, shows how successful our development activities are. Newer developments include seals for hot and cold environments, as well as gas and exhaust components.

## Precision down to the packaging: Production

The best quality can only emerge, when the highest standards are applied to every detail and every work step. That is especially true for the composition of the individual components. Our compound production line on site guarantees particularly consistent compounds for the following procedures.

Bode GmbH. has continuously optimized the rubber injection moulding process, throughout the last decades. We even gained remarkable know-how in the two-component injection moulding. This is a procedure in which rubber is completely replaced by a high-end thermoplastic elastomer and a co-injected plastic part.





Quality check, deflashing and packaging, are completed directly on our production sites, automatically or manually. Our strict standards in terms of quality and costs extend to these fields as well: All seals undergo the most modern inspections and control procedures.

Even the last step in the process counts: Bode GmbH. is quality conscious down to the delivery. Our efficient logistics department is extremely flexible and offers best delivery options.

### Leading in Europe, and business worldwide

In order to optimize our global market position, since 2003 Bode GmbH cooperates with Hultec. Hultec is the worldwide leading supplier for seals in plastic pipes with headquarter in Texas, USA. Both manufacturers joined their activities in sales, product development and distribution.

### The path into the future: Certified quality and sustainability

We at Bode GmbH. can present a wide variety of official approvals in all our main areas of expertise. This enables us to fulfill every aspect of your high expectations – and to deliver an ideal, future oriented solution with every product.

A quality management system, certified to ISO 9001:2008, ensures a constant improvement of already existing procedures.

At the same time, Bode GmbH. cautiously selects the resources for the production, in order to protect the environment.

### Decades of growth: Our fields of expertise

Specialized, yet comprehensive – based on this motto, Bode GmbH. offers solutions for a wide range of special fields:

#### Seals for building

- Sanitary and heating
- Gas supply
- Building site drainage
- Roof drainage
- Rain water management

#### Civil engineering

- Potable water supply
- Waste water disposal
- Gas supply
- Cable protection
- Rain water drainage
- Rain water drainage
- Re-lining



### Elastomer Seals

Elastomer Seals up to 1000 mm Ø for a wide range of standard or non standard Pipe Systems are the key competence of Bode GmbH.

Standard Seals for following Pipe Systems are available

#### SYSTEM 3S

Seals for PVC Pressure Pipes according to  
DIN EN 1452 und DIN EN 1456.

#### BL

Lip Seal for Plastic Pipes according to  
EN 1401-1, DIN 19534  
EN 1451-1, DIN 19560  
EN 1852

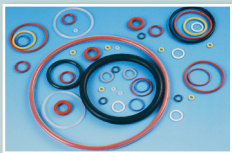
#### HB FIX

"Lock in" Lip Seal for Plastic Pipes according to  
EN 1401-1, DIN 19534  
EN 1852



## Dynamic and static sealings

### Rubber and other elastomers



#### MOULDINGS AND SEALS

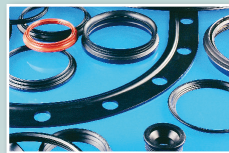
- Manufacture of precision components
- Large quantities
- Small quantities
- One-offs
- To your drawings or samples
- From existing tools
- From new tools
- Machined
- Handmade
- O-ring seals
- Shaft sealing rings for spaces as per DIN 3760
- Development and design
- Technical advice



#### INJECTION MOULDINGS AND EXTRUDED ARTICLES

- From existing tools
- From new tools
- To your drawings or samples
- Development and design
- Technical advice

### Special catalogue



#### SEALS FOR MANHOLE AND HAND-HOLE CLOSURES

- To DIN 83403 and VG 85151
- From rubber fabric
- From asbestos-free material
- Metal

#### RUBBER SHEETS AND GASKETS

- High pressure gaskets
- Ring seals
- Punched elements
- Blanks

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