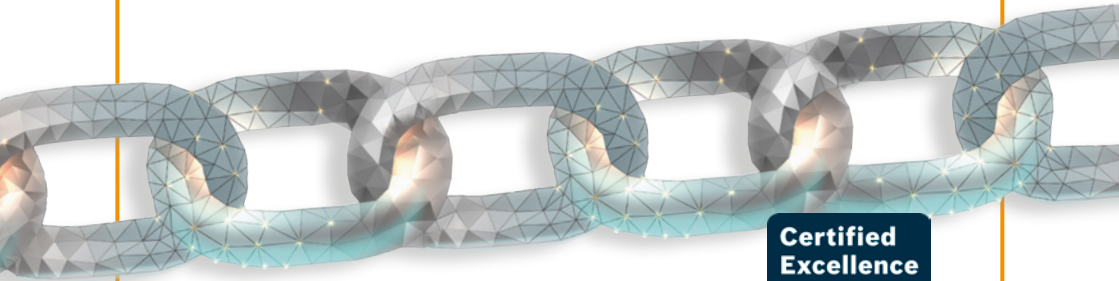




Gemeinsam
für die beste aller Lösungen
"Together, for the best of all solutions"



**Certified
Excellence**

rexroth
A Bosch Company



CONTENTS

Company

History and strengths

Partnerships

Quality assurance and
test benches

Markets

Seals

Standard Seals

Sealing Kits

CNC manufactured seals

Red Super Polymer

Food-grade seals and detectable
materials

Hydraulics

Valve technology

Compact Power Modules

Hydraulic Integrated Circuits



We are your partner if you value know-how, speed and service

Established in **1990** as a family-run business, Seal Concept GmbH specializes in sealing technology and hydraulic components. Seal Concept manufactures prototypes as well as customised and series parts according to individual specifications.

- Simple ordering process and short response times
- Expert advice and fast deliveries
- Development, planning, design and production of customised compact power modules, control blocks, special seals, and construction parts
- In-house assembly unit at our location
- Large and well-stocked warehouse

A modern web shop with customer-specific pricing and real-time inventory availability for a fast ordering process



CE partnership with Bosch Rexroth

In the field of hydraulics, Seal Concept GmbH has been working closely with Bosch Rexroth for decades because we are convinced of the quality and performance of the specialist in drive and control technology. Our customers also benefit from this long-standing and trusted partnership.

As a strong partner in mobile hydraulics, Bosch Rexroth awarded our company the „Certified Excellence Partner“ designation in 2021. This means that our experienced sales and technical staff provide outstanding service and expert customer support for all topics related to Bosch Rexroth systems.

With us, you can rely on hydraulic solutions and services of the highest quality.



Quality management with a system

Quality Management with a system

The highest product and service quality is the result of a strict quality management system, from procurement to delivery.

We are ISO 9001:2015 and ISO 14001:2015 certified, undergo regular audits, set our own quality standards, and develop customised measurement methods for specific hydraulic products and seals.

The test benches for cylinders and seals, developed in-house by Seal Concept, ensure systematic reliability. Additionally, our comprehensive documentation, supported by modern IT systems, guarantees that all relevant information is readily available at all times.



Markets

We keep an eye on the influencing factors in your markets and solve your problem.



Food &
Pharmaceutical Industry



Cylinder Manufacturing



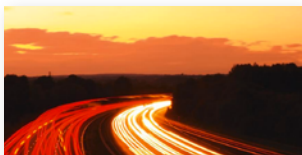
Maintenance & Repair



Technical Trade



Machinery & Plant
Engineering



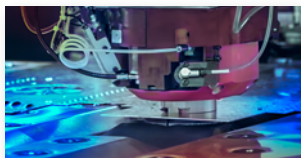
Transport & Logistics



Mobile Hydraulics



Mining



Press Construction



Renewable Energies



Agriculture & Forestry



> 15.000

Stocked Items and
Seal Dimensions

> 9.000

Pre-assembled
Seal Kits

No Pressure Without Seals

Their quality and precision are essential.

With over 15.000 different seals in our range, we guarantee the optimal components for your needs. Together, we ensure the best solution: Our experienced specialists reliably and precisely find the perfect seal for your system from our extensive stock.

Assembly of Ready-to-Use Seal Kits.

24-Hour Delivery Service

- Provision of a wide range of individual components for the short-term assembly of seal kits
- Creation of customer-specific seal kits, ensuring you always receive the same set
- Customised storage and packaging, including logo and item numbers



CNC-machined Seals

The Haute Couture of Seals.

If your machine is something special, then its seal should be custom-made. Seal Concept GmbH manufactures prototypes and small series according to your individual specifications. You provide the material and dimension requirements, and our experts produce the perfect seal using modern precision machines.

> 150.000 designed and cataloged items

We stock over 3.000 different semi-finished materials, with the most common ones available in sizes up to Ø 720 mm at all times. We also offer seals up to a diameter of 2.000 mm. Upon request, we provide expert support from planning and development to production

Red Super Polymer

The Supreme Class of machined Seals.

The high-tech material „Red Super Polymer“ enhances the performance of seals for hydraulic and pneumatic applications and is unique in its form.

The combination of high-performance polyurethane based on polyether with various lubricant components ensures low friction values at high sliding speeds while reducing wear.

- Low friction coefficient
- Excellent low-temperature properties
- Faster operating cycles for increased efficiency
- Suitable for use in systems with air, water, water-oil mixtures, and petroleum-based hydraulic fluids

Food & Pharmaceutical Industry

Your Competent Partner for High-Performance Seals.

In the food and chemical industries, seals and plastic components must meet exceptionally high standards. Our high-quality components are specifically designed to meet these demanding requirements:

- High chemical resistance against aggressive chemicals and cleaning methods
- Excellent temperature resistance during cleaning and sterilization
- Superior friction and wear properties under low-lubrication or dry-running conditions
- Special seal coloring for industry-specific requirements
- Unique design for a “dead-space-free” structure to prevent contamination
- Easy-to-clean and sterilizable surfaces
- Non-toxic materials for safe applications
- Compliance with various national and international food regulations and standards for food and pharmaceutical use



Our in-house production manufactures not only single pieces and prototypes but also small and large series within just a few days.



> 2.500

Stocked Valves

> 3.000

Stocked Hydraulic
Components



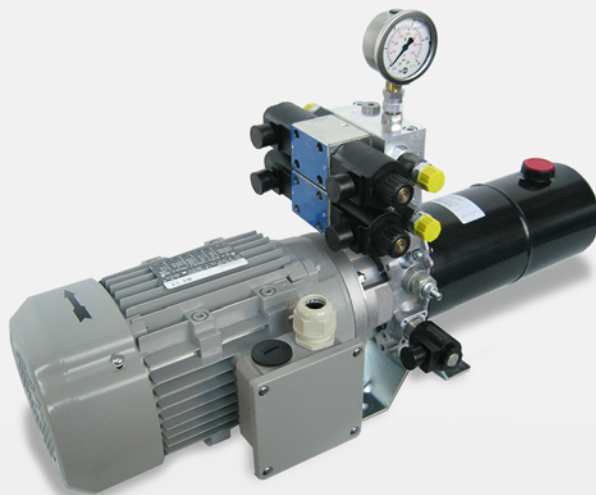
Valves and Hydraulic Components

Ensuring Power Reaches Where It's Needed.

With our many years of engineering experience and the increased use of high-quality valves, we offer extremely compact solutions precisely tailored to customer requirements. These solutions support operating pressures of up to 700 bar and flow rates of up to 400 l/min.

PRODUCTS

- Position-monitored valves
- Flange valves
- Load-holding valves
- Pressure relief valves
- Hose burst protection
- Pressure reducing valves
- Flow control valves
- Proportional valves
- Flow dividers
- 2/2-way solenoid seat valves
- And much more



> 2.000

Engineered Hydraulic
Power Modules



Customised Compact Power Modules

Power benefits those who can control and regulate it.

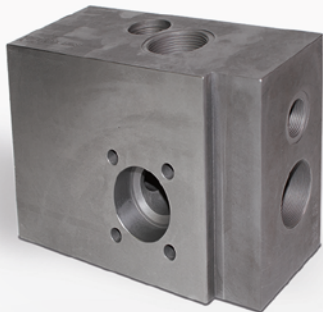
Reliable technology is the foundation for every business success.

Our compact power modules are used in forklifts, home lifts, scissor lifts, hydraulic presses, machine tools, folding cranes, and many other systems across various industries. We design customised hydraulic systems and ready-to-install compact units for industrial applications. Our services include project planning, documentation, assembly and testing in our in-house test laboratory. Additionally, we offer spare parts service and repairs.

Tell us your hydraulic challenge: we will provide you with perfectly tailored, ready-to-install compact power modules. For series deliveries, we offer customer-specific storage solutions and conduct quality control on our in-house test benches.

PRODUCTS

- Compact Power Modules
- Motor-Pump units
- Submerged units
- Version with AC- or DC motors



> 2.000

Engineered
Hydraulic Blocks

Customised Hydraulic Integrated Circuits

We refine power.

When you demand sophisticated control solutions for hydraulic systems, the specialists at Seal Concept are in their element. Our deep focus on your individual applications leads to crucial optimizations. This close and collaborative partnership with our customers, from requirements gathering through engineering to the delivery of the finished valve or fully equipped hydraulic block, forms the foundation for successful series products.

- Hydraulic control blocks for up to 700 bar operating pressure and 400 l/min flow rate
- Control blocks made from steel, cast iron, and aluminum
- Replacement designs for obsolete control blocks
- Customised-specific new designs



SealConcept
DICHTUNGEN & HYDRAULIK

J. R. R.



549-QMS-R20
549-QMS-18-02
2024-06-28
2027-06-27
2018-06-28



CERTIFICATE

The AGQS Qualitäts- und Umweltmanagement GmbH hereby certifies that the company



Seal Concept GmbH
Hans-Sachs-Straße 2
D-86399 Bobingen

at the locations

Hans-Sachs-Straße 2, D-86399 Bobingen
Peter-Henlein-Straße 4, D-86399 Bobingen

for the scope

development, production and distribution of seals, hydraulic sealing solutions, hydraulic components, hydraulic systems and hydraulic power units

has implemented and maintains a management system. An audit, documented in a report, has verified that this management system fulfils the requirements of the following standard:

DIN EN ISO 14001:2015

J. G. R.



AGQS Qualitäts- und
Umweltmanagement GmbH
Elberfelder Straße 77
D-42853 Remscheid
email@agqs.de

Audit
Certificate
Valid from
Valid until
1st certification

549-UMS-R20
549-UMS-18-02
2024-07-03
2027-07-02
2018-07-03



DICHTUNGEN & HYDRAULIK

Seal Concept GmbH

Hans-Sachs-Straße 2
86399 Bobingen
Germany

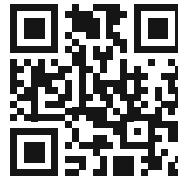
phone.: +49 8234 9671 0

fax: +49 8234 9671 23

info@sealconcept.com

www.sealconcept.com

- Seals & Seal Kits
- Hydraulic Components
- Compact Power Modules
- Hydraulic Integrated Circuits
- Customised Solutions



CONCEPTS

SOLUTIONS

SERVICES