



# PRODUCTION CAPABILITIES OVERVIEW

**REONTECHCZ**



# About us

The company REONTECH CZ s.r.o. was founded in **2014** based on the business experience of the founder, who has been working in the field of industrial sealing since **1995**.

We are a Czech family company and we deal primarily with manufacturing and selling a wide range of industrial sealing elements, milled products and other parts for industry.

Our base is our own production facility in Ujčov (approx. 40 km north of Brno), where we started CNC production of machined seals in **2020** and also production of shaped and milled parts in **2023**.

We know from our experience that **reliability, meeting the agreed deadlines and maintaining product quality** are just as important as the price of the goods themselves. We therefore always place great emphasis on these (and other) factors and thus try to build long-term and stable relationships with customers.

# Flat gaskets

# Milling of board materials

**CNC industrial router KiMLA BPF**

Working space dimension of 2100 x 3100 mm, range of Z axis 200 mm

**Head with active oscillating / drag knife**

Cutting of the many materials for a flat gaskets production, processing of microporous materials etc.

**Spindle 9 kW, 24 000 rpm**

Milling of plastics, aluminum, composite materials, polycarbonate, non-ferrous metals, wood etc.

Automatic tool change - revolver tool turret

Vacuum table for perfect material fixation

Measuring probe for exact setting of workpiece and control of the dimension of the finished part

## We can cut / mill the following materials

But we can also process many other board materials of a similar nature.

We keep sufficient stock of the most used materials so that we can respond flexibly even to urgent requests and can thus offer a solution in the shortest time possible.

### Non-asbestos materials

Fibber-rubber based materials  
PTFE based materials, graphite composites  
and more relative materials

#### Examples of use:

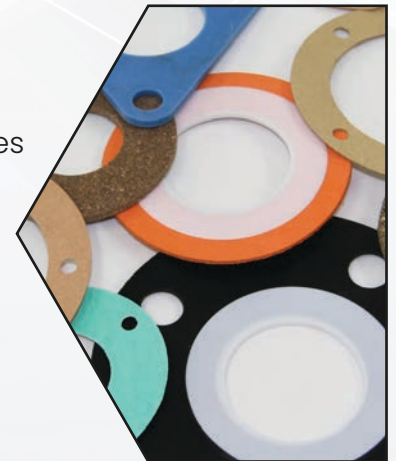
- sealing joints of fittings, flanges
- sealing of heat, gas, steam distributions
- pumps, water lines

### Rubber materials

SBR, NBR, EPDM, NR, FPM, CR and next types  
Floor matting, polyurethane, combined laye-  
red rubber materials

#### Examples of use:

- sealing of joints, flanges, fittings, lids
- protective, damping elements, scrapers
- lamellar blinds, linings of transport boxes



## Microporous materials

Softened EPDM, SBR, CR, foam materials  
Possibility of self-adhesive layer  
Kiss-cut cuts

### Examples of use:

- door seals, lids, protective elements
- damping parts, acoustic panels
- foam case inserts, transport protection

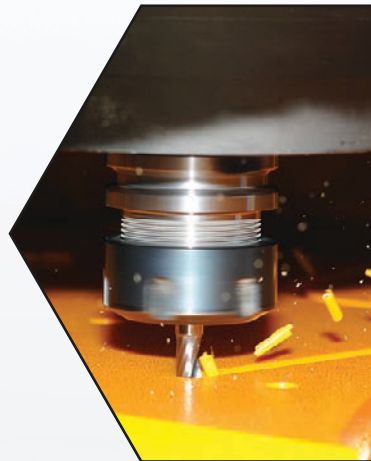


## Technical plastics

PE, PA, PP, PVC, POM and other types  
Threading, turning and other related machining operations

### Examples of use:

- spacers, anti-wear elements
- sliding bushings, guide rails, labels
- roller screw guides, machine covers



## Polycarbonate

Various types of polycarbonate, plexiglass  
Edge polishing and other options  
Bent and glued parts

### Examples of use:

- hole fillings, safety fillings
- transparent covering, roofing
- advertising products, signs, banners

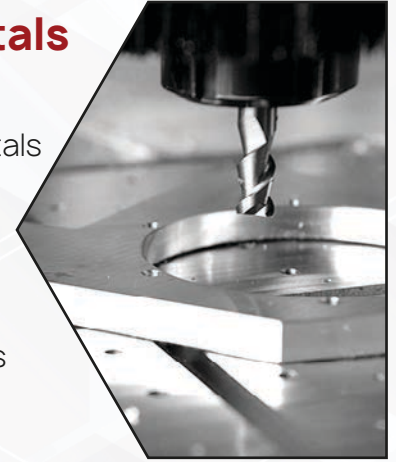


## Aluminum, non-ferrous metals

Shaped aluminum parts  
Copper, bronze and other non-ferrous metals  
Turning and other related operations

### Examples of use:

- machine components, guide profiles
- sliding cases made of non-ferrous metals
- advertising products, engravings

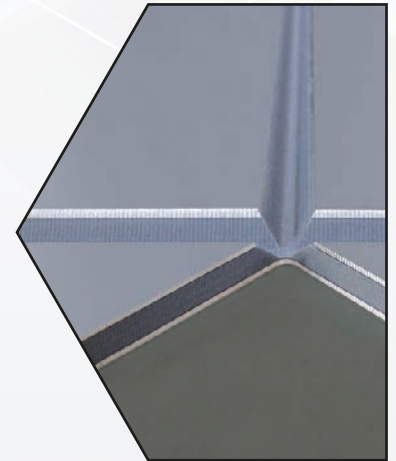


## Composite materials

Dibond, alupanel and other composites  
Milling grooves for bending  
Bent parts

### Examples of use:

- advertising use, banners, signs
- machine parts
- covers for machines and equipment



## Other materials

Cardboard, insulating materials, leather, felt  
Industrial fabrics, textiles, MDF, wood  
Plywood, mica, layered insulators and more

### Examples of use:

- mica and other heat-insulating parts
- shaped products made of wood, etc.
- leather products, other shaped cutouts

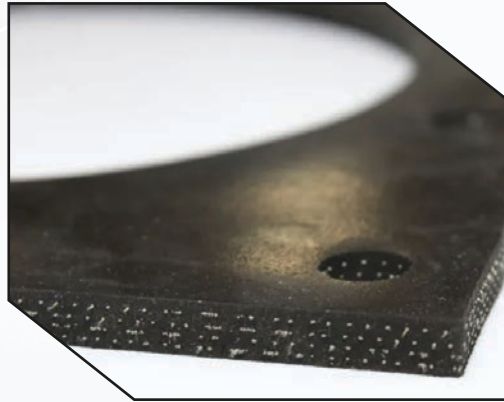


# Examples of products and their use

Non-asbestos materials



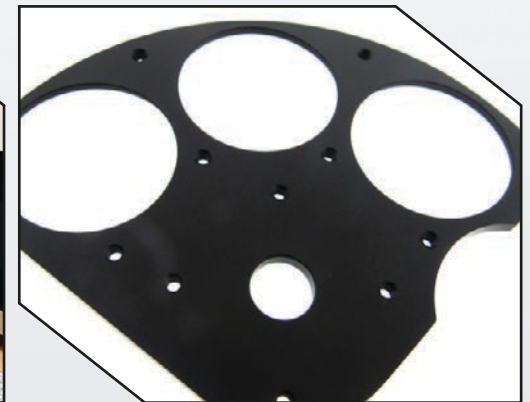
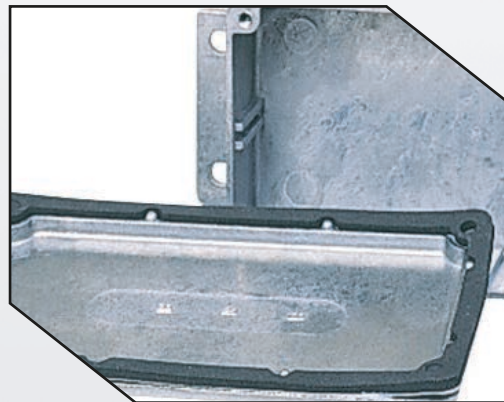
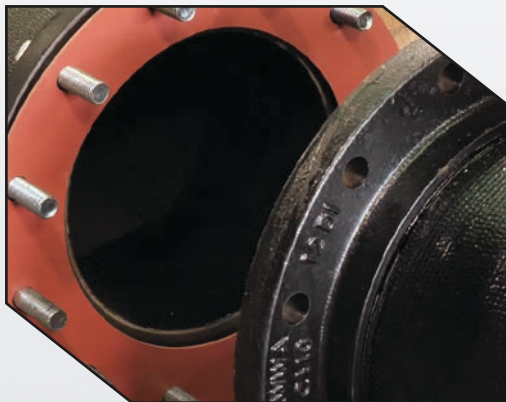
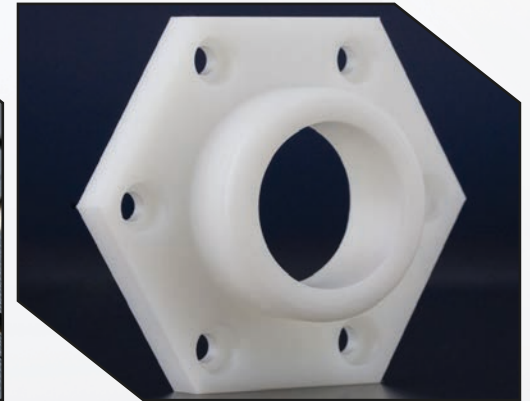
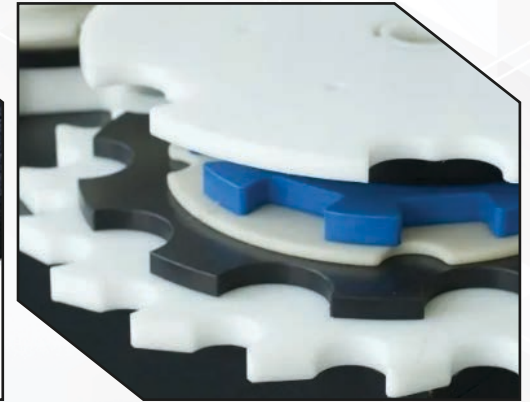
Rubber materials



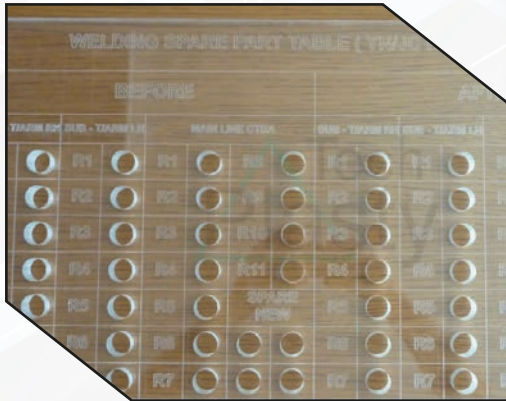
Microporous materials



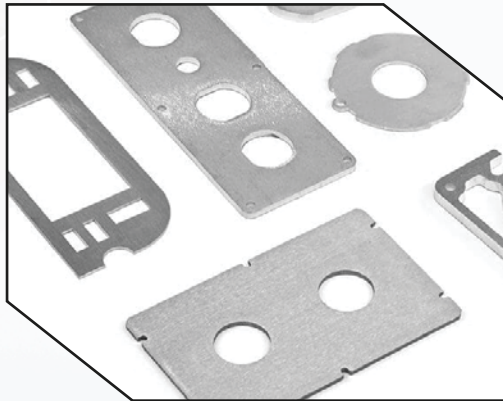
Technical plastics



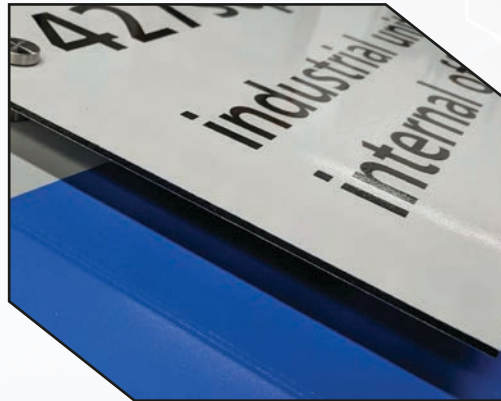
## Polycarbonate



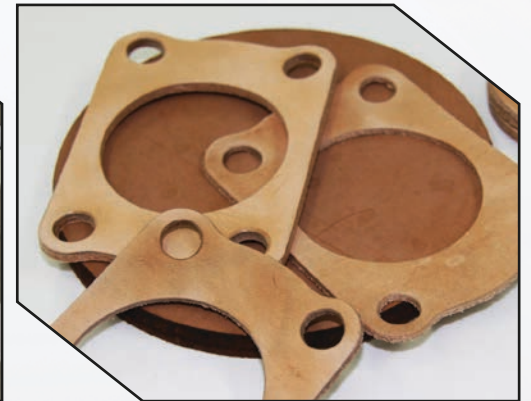
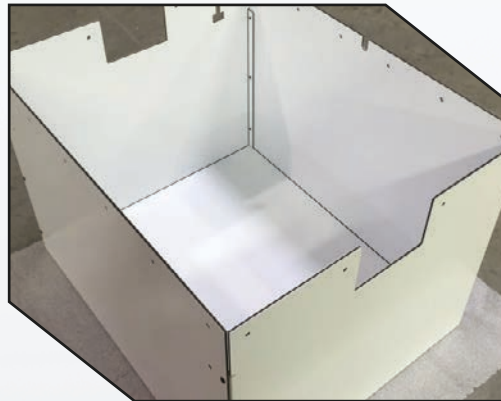
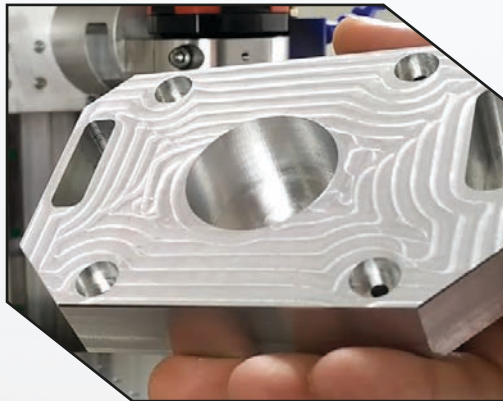
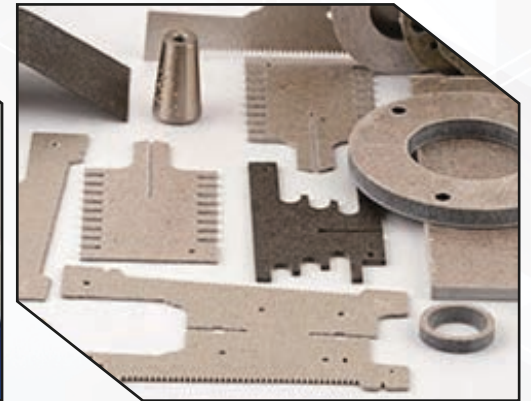
## Aluminum



## Composite materials



## Other materials



# Machined seals CNC production

## CNC lathe machine DMH 500M

The machining process is specifically customized to polyurethanes, elastomers, PTFE, plastics and next materials  
Production of the machined parts up to an outer diameter of 500 mm  
Custom made tools for the non-standard sealing profiles production  
Automatization options for serial production

## Hydraulic seals

Wide range of profiles of hydraulic cylinder seals

Wiper rings, piston and rod seals, backup rings, guide rings, static seals, sealing for rotary application and more

Adjustments of standard profiles, custom-made profile



## Other turned products

Seals for pneumatic applications

Flange seals, sliding bushings, etc.

Other turned workpieces according to drawings

Threading and next related operations



## Dimensional options

We can manufacture sealing elements and other parts from the smallest pieces to products with an outer diameter of 500 mm

We solve seals with diameters larger than 500 mm in cooperation with long-termly proven partners

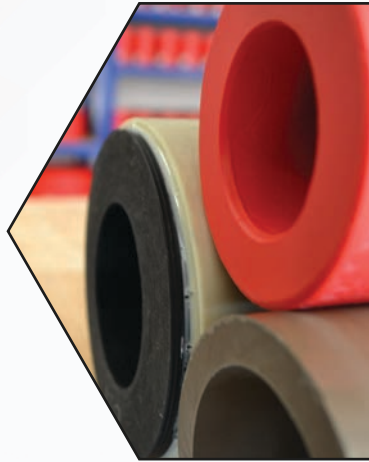


## Wide range of materials

More than 65 variants of standard materials including variants with FDA for use e.g. in the food and pharmaceutical industry

H-PU, NBR, FPM, PTFE, POM-C and other materials for production

The possibility of turning common technical plastics (PE, PA, etc.) and next materials

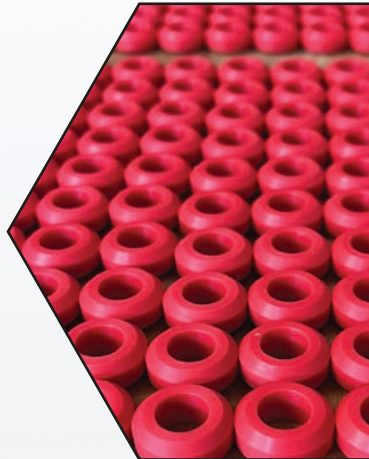


## Piece and serial production

We can do small series from 1 piece only, but we can also deal with large series

We offer volume discounts

We use elements of automated production for efficient processing of large series



## Our material stock

We maintain sufficient stock of the most commonly used materials in the entire range of produced dimensions (up to a diameter of 500 mm)

Flexible and fast resolution of urgent cases



## Short delivery times

Standard delivery times are within days

In urgent cases, we will make a seal immediately within hours



## Measurement, solution design

We will measure the installation spaces for the sealing elements and propose a suitable solution

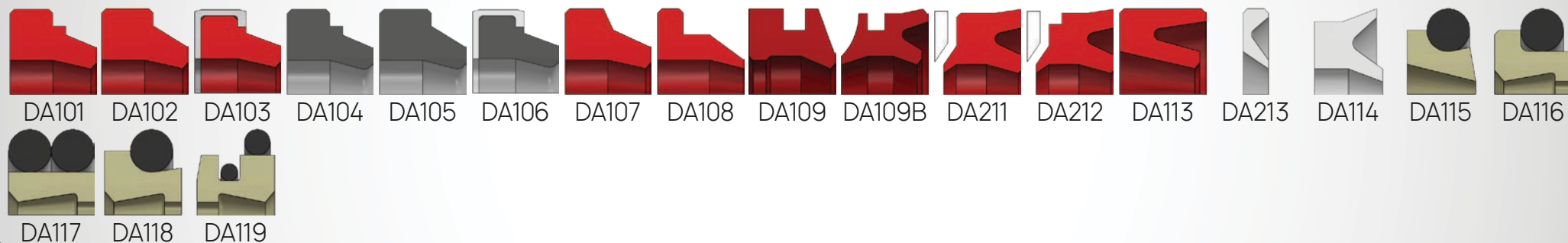
If necessary, we also do measurements at the customer's premises

We will design a sealing solution for cylinders and other hydraulic devices to ensure the reliable function of the sealing elements

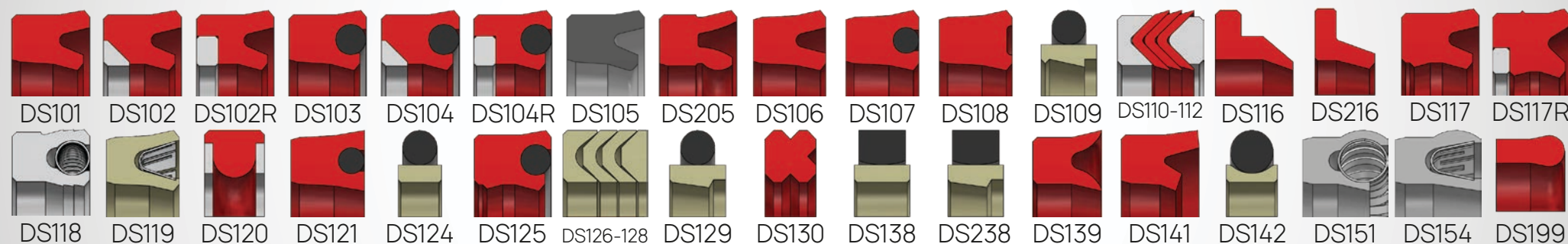


# Overview of our standard hydraulic seal profiles

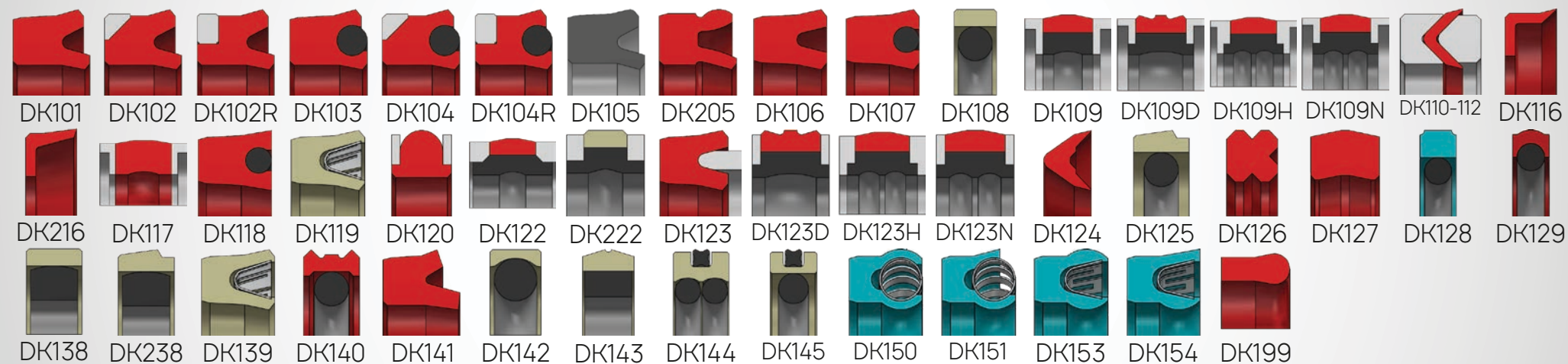
## Wipers



## Rod seals



## Piston seals



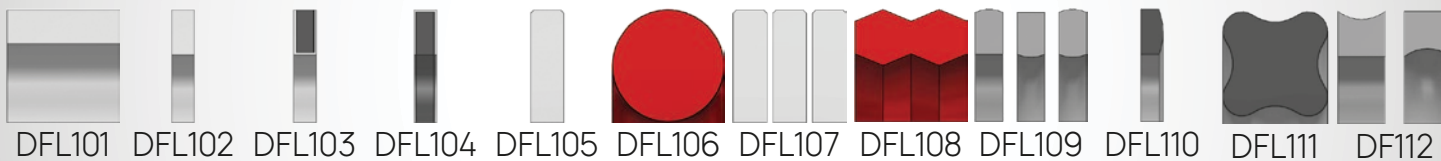
## Guide rings



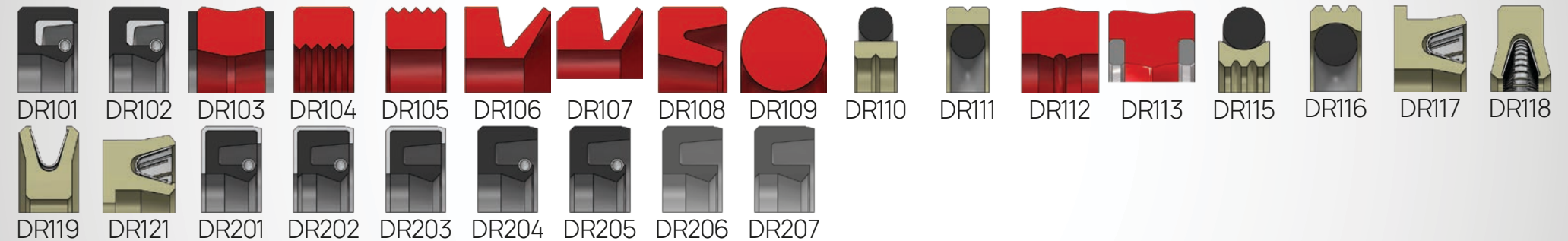
## Backup rings



## Static seals



## Rotary seals



All the mentioned profiles can be adjusted if necessary and adapted to specific working conditions and requirements. We also manufacture other customized profiles and turned parts according to drawings or samples.



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