

new

The **2nd Generation** of
Rotary Actuators
with multiple helical gears

The HKS Dreh-Antriebe GmbH® is one of the leading global manufactures of rotary and part-turn actuators.

KNOW-HOW AND MADE IN GERMANY

For more than 25 years, HKS Dreh-Antriebe GmbH® has been developing, producing and installing rotary and part-turn actuators for all industry sectors exclusively within Germany and guarantees the highest level of product quality and innovation. Its highly qualified employees with many years of experience will offer you sound advice across a large variety of industries.

CUSTOMER SOLUTIONS

Customer-specific solutions are standard practice!

QUALITÄT in accordance with ISO 9001:2008

Internal quality management as well as select high quality components from a leading manufacturer guarantee a consistently high level of product quality for you.

Quality becomes widely accepted

HKS Dreh-Antriebe GmbH® is known for its high quality products that are made in Germany. Our designers' long years of experience, precision manufacturing and installation of individual components into completed

rotary actuators, as well as our friendly and sound technical experience and sales are reflective of our ideals and values.

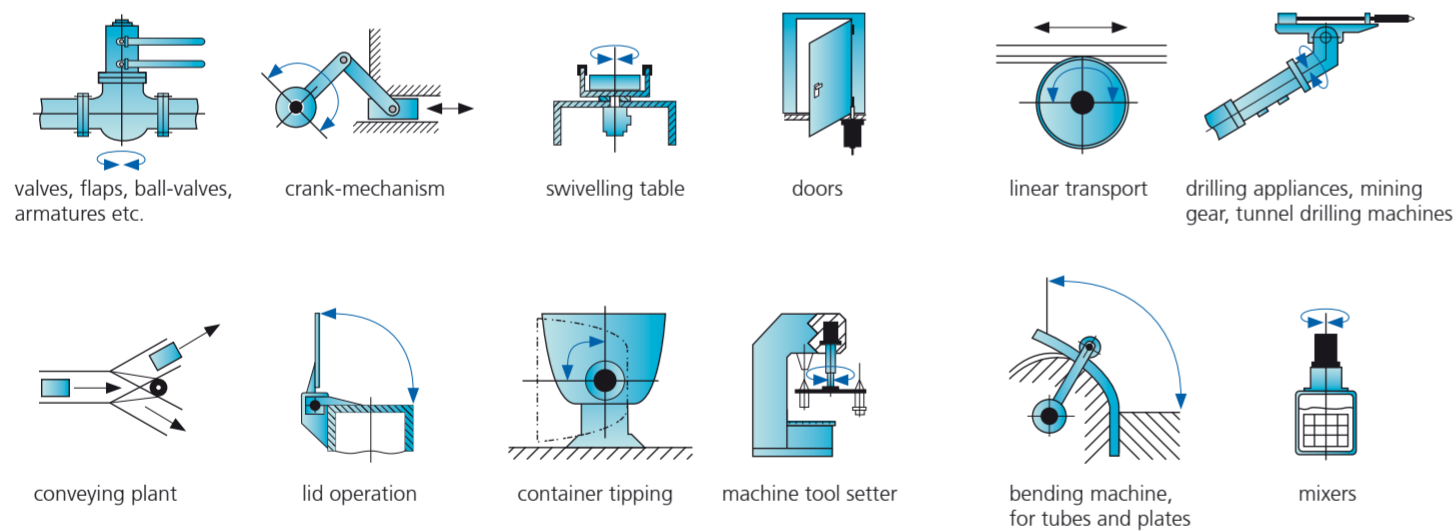
Typical applications

HKS rotary actuators have proved their worth throughout the industrial sector. For example, they are used in construction machinery, machine tools, bending machines, foundry, mining, agricultural and packing machines, transfer lines, manipulators, armatures, as well as in

shipbuilding, motor vehicles, assembly platforms and in ventilation engineering. HKS rotary actuators are reliable and require no maintenance. This is demonstrated, for example, 2300 mm below sea-level, when they are used as actuators for armatures.



A few ideas on applications



Special Versions

- Actuator shaft with spline profile to DIN ISO 14
- Actuator shaft with second drive cog
- Actuator shaft and mounting flange designed to customer's requirements
- Rotary angle adjustment throughout the range of rotation
- Limit switch equipment
- Direct valve connection, 3 mounting positions
- All intermediate rotation angles can be supplied
- Range of rotation exceeding 360°
- Sea-water resistant
- Additional bearing for high radial forces
- Change of direction of rotation
- Further special versions are available

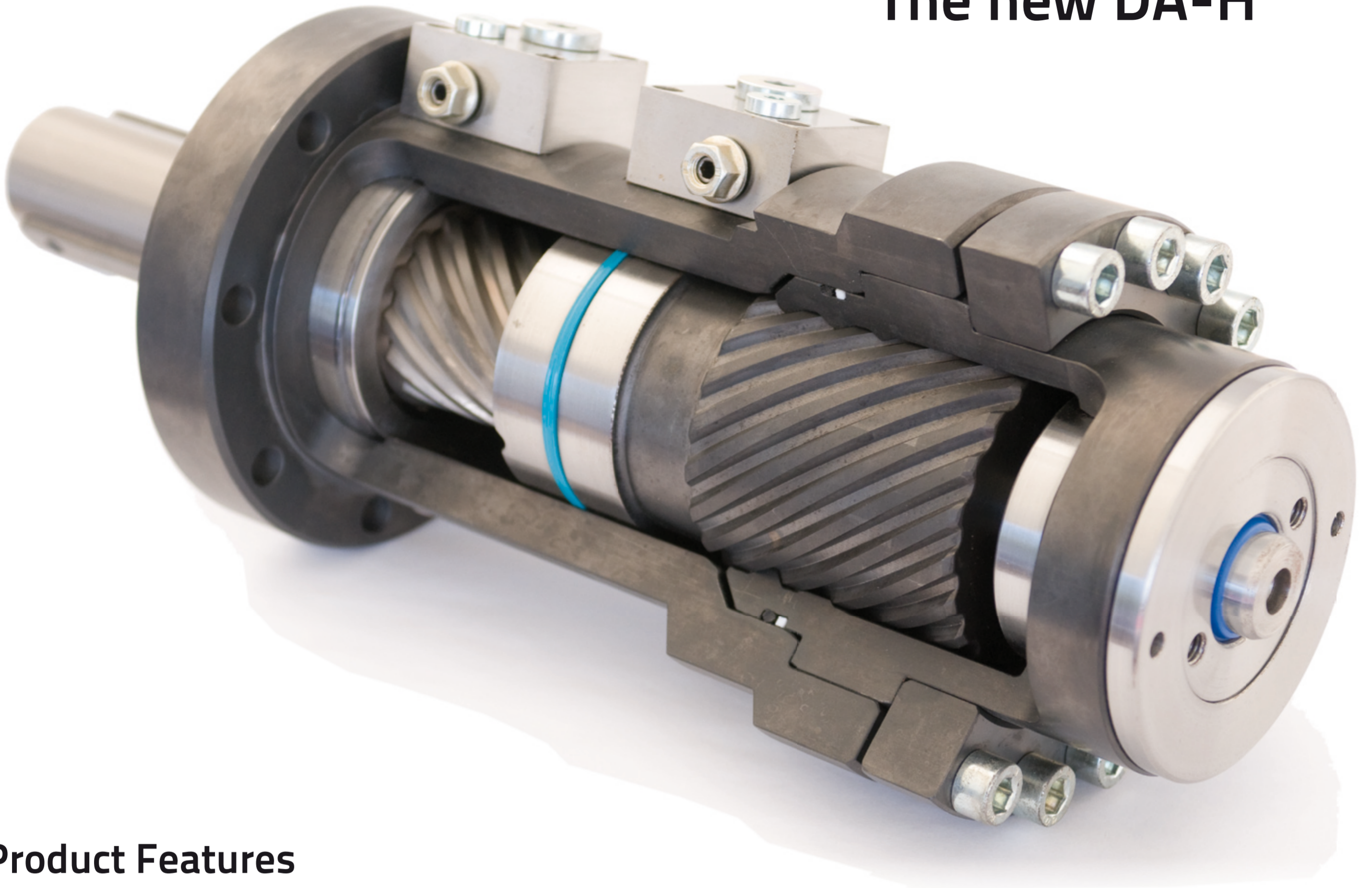
Visit us:
www.hks-partner.com

HKS Dreh-Antriebe GmbH® • Leipziger Straße 55 • D-63607 Wächtersbach
fon +49 (0) 6053 / 6163-0 • fax +49 (0) 6053 / 6163-39 • info@hks-partner.com



THE 2ND GENERATION **HKS**
ROTARY ACTUATOR DA-H

The new DA-H



Product Features

+

- ▶ Working pressure up to 250 bar
- ▶ Torque up to 100.000 Nm
- ▶ Standard angle 90°, 180°, 270° and 360°
- ▶ End position damping optimised as standard and continuous adjustment of the shaft bearings

+

Improved bearing support with four point bearings

- ▶ To accommodate high radial and axial forces
- ▶ Longer life cycle

+

All sliding surfaces are hardened

- ▶ Reduces wear and tear
- ▶ Increases the level of efficiency

+

Optimised end position cushioning (standard)

- ▶ Smooth braking of moments of inertia
- ▶ Leads to a longer life cycle for the whole system

+

Rotary pistons can be run to their end position under full load

- ▶ No external stops needed

+

All intermediate rotation angles feasible

- ▶ Customer-specific adjustment and integration into your system

+

Angle adjustment standard

- ▶ Accurate movement of the end positions
- ▶ $\pm 4^\circ$ angle adjustment

+

Rotation angle or end positions can be retrieved via a standard control shaft

- ▶ Accurate positioning of the rotation angles

+

State-of-the-art sealing technology

- ▶ Results in less wear and tear
- ▶ Longer life cycle for the whole system
- ▶ No internal leaks
- ▶ Improves safety